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HARDWARE

HARD EXCLU

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XII. No. 1. New York, October 10, 1895. $1.00 A YEAR



MAGNOLIA METAL
IN USE BY
EIGHT LEADING GOVERNMENTS.

Magnolia Metal Co.,
OWNERS AND SOLE MANUFACTURERS,
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CORNELL UNIVERSITY.
ITHACA, N. Y., August 10, 1895.

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Sufficient has been done, however, to indicate the superior quality in every respect. I may say that I fully believe the metal has most excellent quality in every respect for the purposes and uses claimed. I am sir, truly yours, R. C. CARPENTER.

(Professor of Experimental Engineering, Sibley College, Cornell University, Member Society Mechanical Engineers, &c., &c., &c.)



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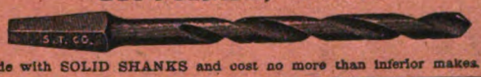
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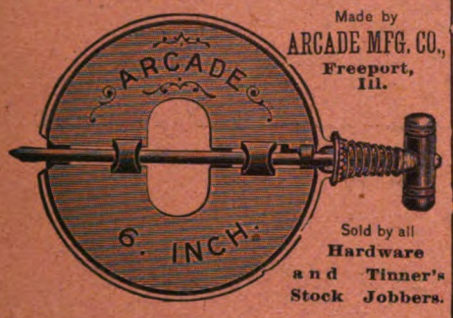
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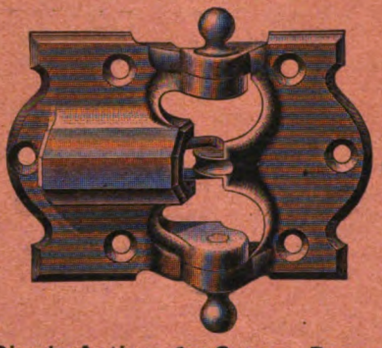
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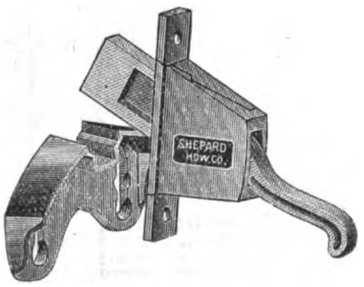
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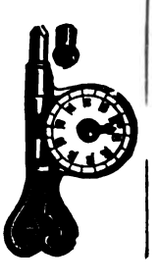
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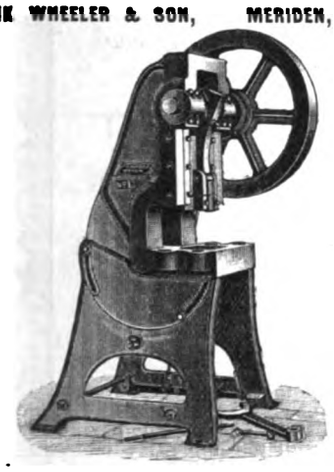
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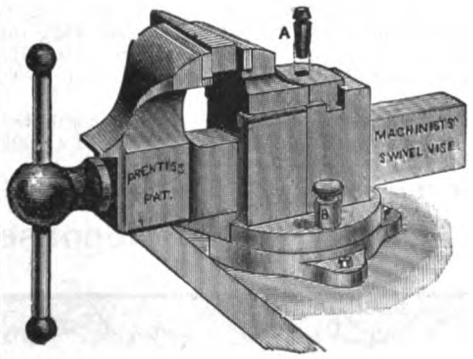
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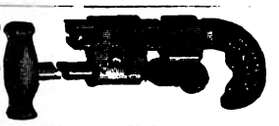


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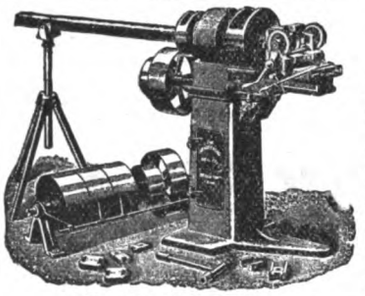
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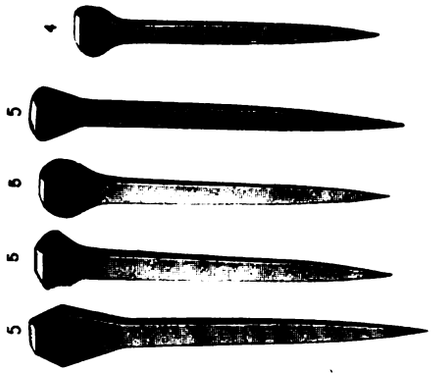
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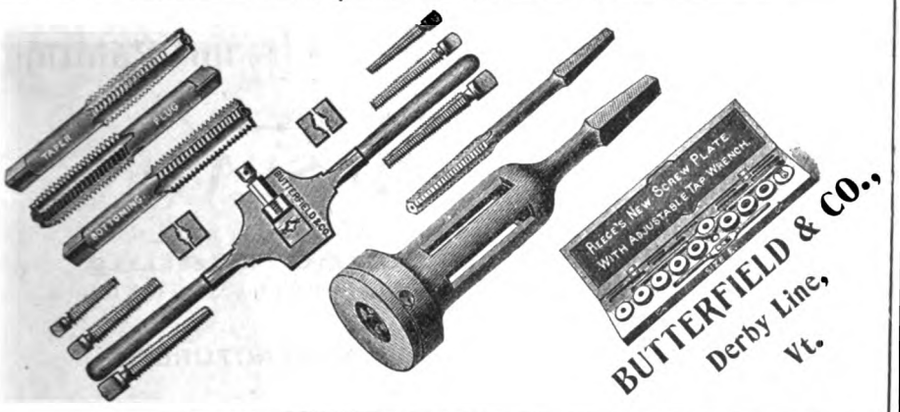
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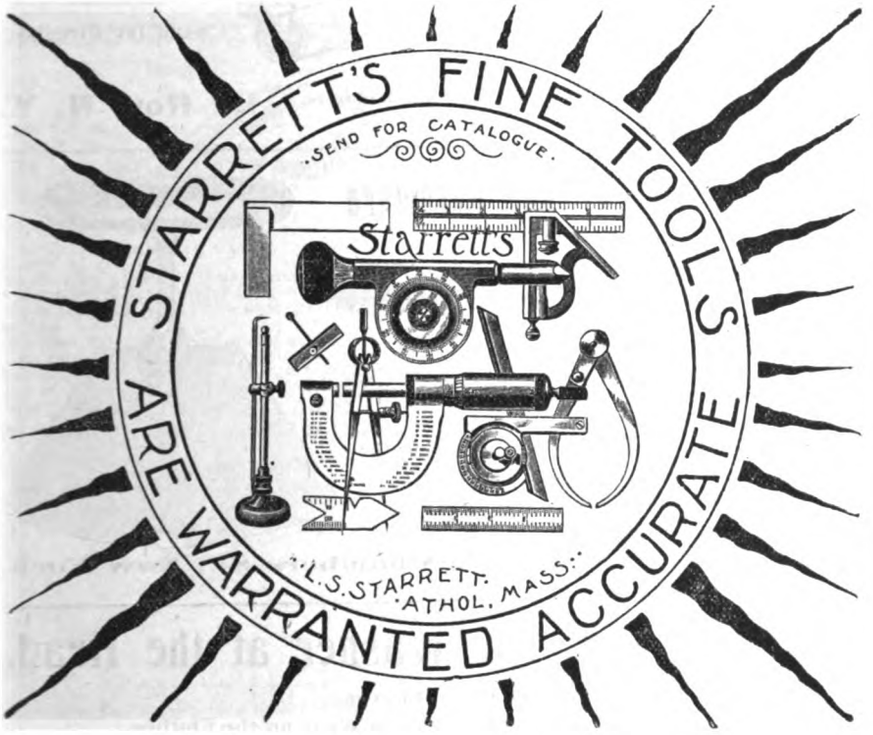
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LAWN FURNITURE, FOUNTAINS. STATUARY.

ROOF CRESTING.

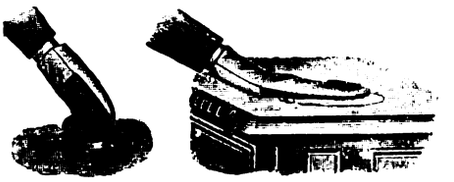


ILLUSTRATED CATALOGUE FREE.

E. T. BARNUM,

DETROIT, MICH. RESERVOIR VASE

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 137 Pearl St., BOSTON.

Manufrs. of Useful Adv. Mediums.

You have no risk on the quality. We have only the best



Sand Papers in Sheets and Rolls — Flint Paper, Garnet Paper, Emery Paper, Emery Cloth

H.A.A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co

700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
140 MILK STREET, BOSTON.
109 LAKE STREET, CHICAGO.

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BLACKBOARDS

Are now ready for Painting,

AND THERE IS BUT ONE ARTICLE WITH WHICH TO PRODUCE A SATISFACTORY RESULT, AND THAT IS

THE LAWRENCE BLACKBOARD SLATING.

This slating will not glaze, scale or blister when properly applied. The great fault with other liquid slatings is that they produce either too smooth or too rough a surface. **The Lawrence Slating** avoids both faults and produces a slightly rough yet black surface, that can easily be written on, which takes up but little chalk, and from which erasures are easily made.

CIRCULARS AND PRICE LISTS ON APPLICATION TO THE MANUFACTURERS.

W. W. LAWRENCE & CO., - Pittsburgh and Buffalo.

NEW ENGLAND AGENTS, Carpenter-Morton Co., Boston. WESTERN AGENTS, Thos. Kane & Co., Chicago.

TO SAVE FREIGHT

WE KEEP IN STOCK

Grindstones,
Mounted Grindstones,
Scythe Stones,
Axe Bits, &c.,

AT OUR BRANCHES

283 Front Street, New York, N. Y.
Chicago, Ill., Office 706 Tacoma Building.
33 & 33 Sleeper St., So. Boston, Mass.

THE CLEVELAND STONE CO.,

Hickox Building. **Cleveland, O.**

Braided Cord

Of every description.



— Send for Samples —

TATE MFG. CO., MALDEN, MASS.

TIME

WILL

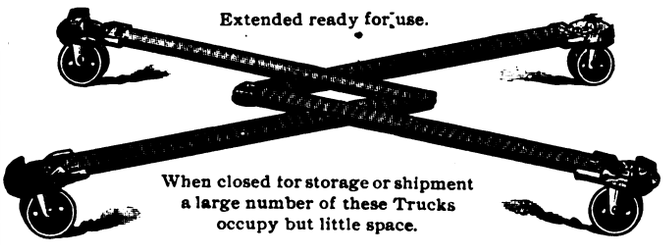
TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt

Steel Lock Frame Stove Trucks.



Extended ready for use.

When closed for storage or shipment a large number of these Trucks occupy but little space.

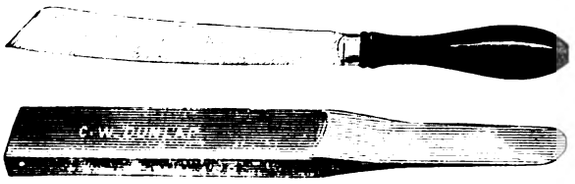
Price, $15.00 per dozen.

Fit any size stove. No nuts, bolts or thumb screws. No bars to cut off.

Send for Circular.

WARD & GILMORE, Manufacturers, **Le Roy, N. Y.**

Dunlap's Superior Kitchen Hardware



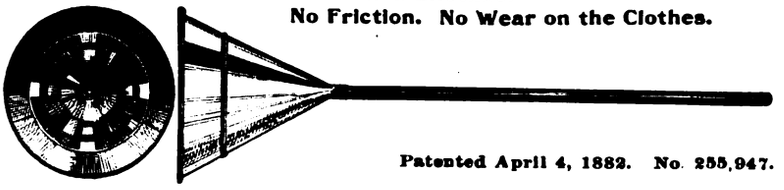


Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St., New York.

The Compressed Air Washer at the Head.

It is Light and Portable. Lasts a Lifetime.
No Friction. No Wear on the Clothes.



Patented April 4, 1882. No. 255,947.

We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric. The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.

Retail Price, $2.50. Send for Circulars and Prices

Manufactured only by **E. M. HEATHMAN & CO.,** HAMILTON, O. U. S. A.

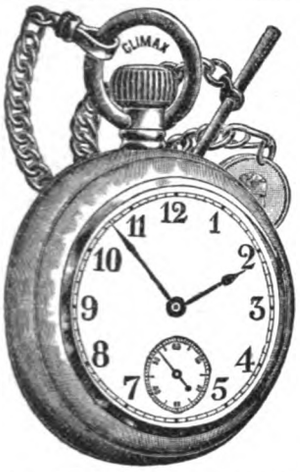
NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

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CLIMAX WATCH



FOR

$2.00

American
Lantern
Pinion
Stem Wind
¾ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

THE BERRY CLOTHES SPRINKLER
Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Libe al discount to the trade. Send for price.
THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE

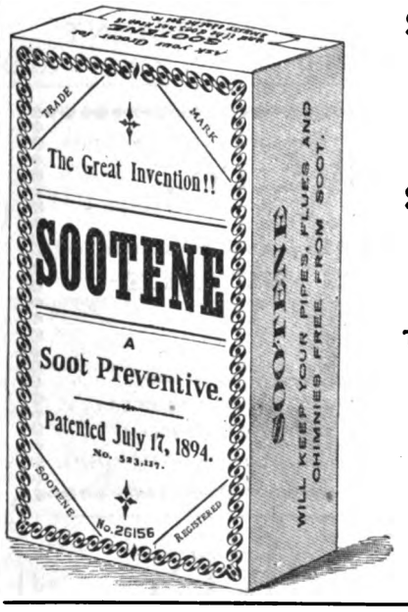
OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McParlin

THE NATIONAL SAW CO.
GENERAL OFFICE.... **NEWARK, N. J.**

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists



SOOTENE

Will keep your Chimney Pipes and Flues free from Soot and create a perfect draught, thereby making it a household necessity.

SOOTENE

Is an article worth the Dealer's attention and will pay them well to keep in stock. Address

THE SOOTENE CO.,
80 Broad St, N. Y. City.
GENERAL SALES AGENTS FOR
UNITED STATES
AND EXPORT.
Patentee and Manufacturer,
R. GIVENS,
Corpus Christi, Tex.

The Smith & Egge Mfg. Co.,
Bridgeport, Conn.

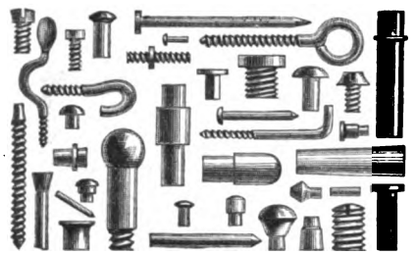
Manufacturers of

Padlocks, Cycle Locks, Toe Clips, Dog Leads, Automatic Machinery.



Sash and Cable Chains, Sash Pulleys, Drill Chucks, Shears and Sheet Metal Novelties.

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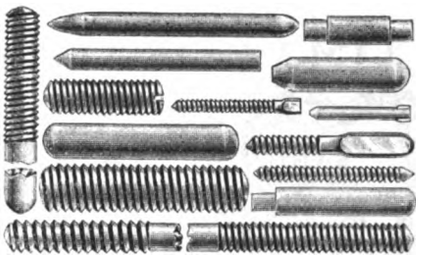


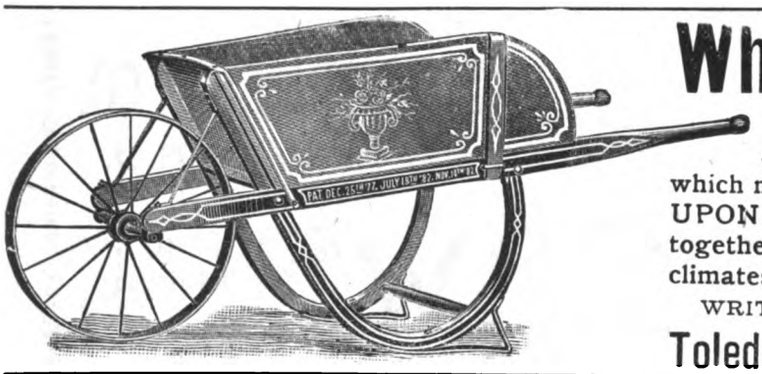
Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
WATERBURY, CONN.





Wheelbarrows

of all Styles,
of all Grades
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works. Toledo. O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,
CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS**, AND DRAWERS OF
IRON AND STEEL WIRE
OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

The McCrum
Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.
312 Dorchester Ave.,
SO. BOSTON, MASS.

Hardware Dealers

Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.



CASTINGS
SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

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THE ORIGINAL IS THE BEST.
ROYAL CENTRAL DRAFT LAMP.

This Lamp has no Superior in the known world.

Gives the Largest Light for Wick Exposure of any Lamp made.



ROYAL LAMP.—No. 1013.

Chimney Lift and Wick Raising Device the best and easiest of adjustment. There are many imitations of these improvements, but the **ROYAL** is still the best.

The Royal Chimney. Lift will stay in position while lighting the lamp without support from the hands. This no other lift device will do.

The Wick Raising Device of the Royal Lamp is unquestionably the best, and has the approval of our largest competitors by their practical adoption of it.

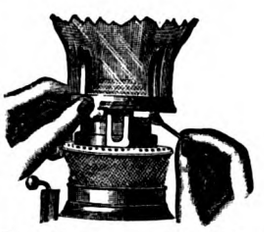
The Wick can be adjusted more accurately and more easily than by any other device.

Workmanship, Style and Finish are unsurpassed. Made in all finishes of Stand, Table and Banquet Lamp. No better lamp for the dealer to handle.

The Plume & Atwood M'f'g Co.

29 Murray St., New York 199 Lake St, Chicago, Ill.

The



B & H
LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place

—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light They are made in the Largest variety of styles and Handsomest Finishes



We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, **Fenders, Andirons, Fire Sets, Etc.**

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

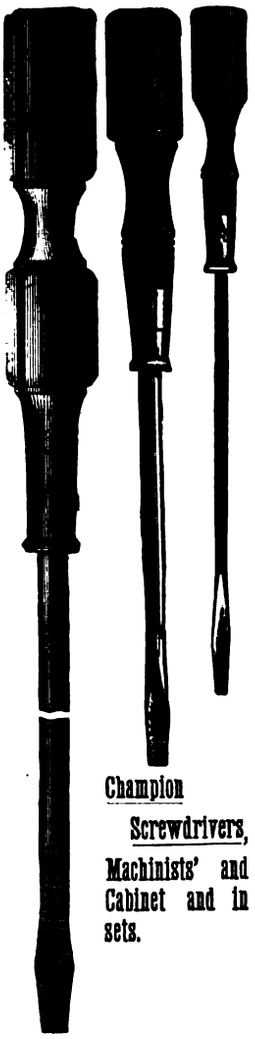
NEW YORK, 26 Park Place. **BOSTON,** 160 Congress St. **PHILADELPHIA,** Room 710, Betz Bldg. **CHICAGO,** 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

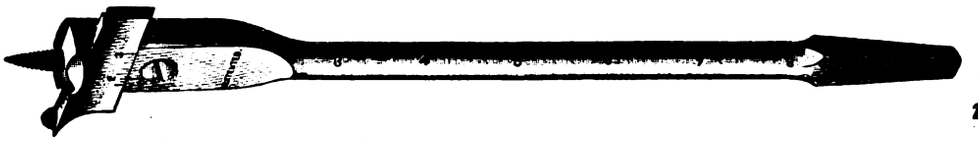


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Carpenters and Machinists' Tools.

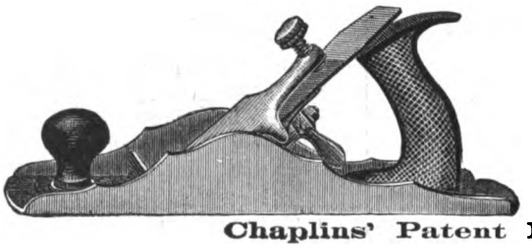


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

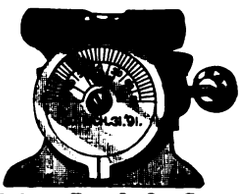
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





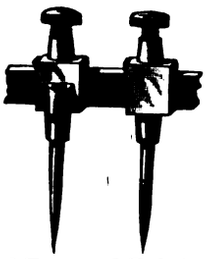
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



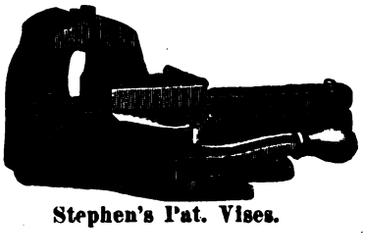


Plumb Bobs and Trammel Points.

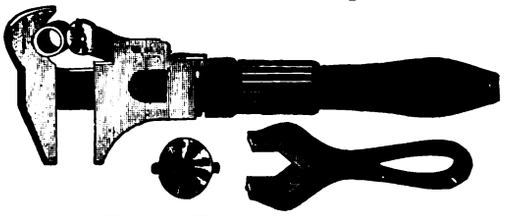




Mail Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

DONOGHUE RACING SKATE.

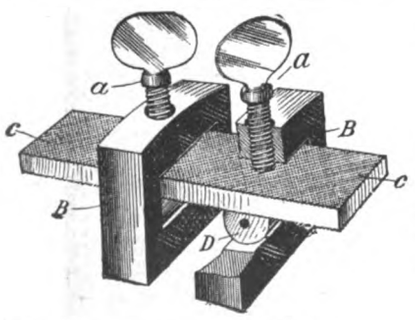
Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

A New and Useful Article

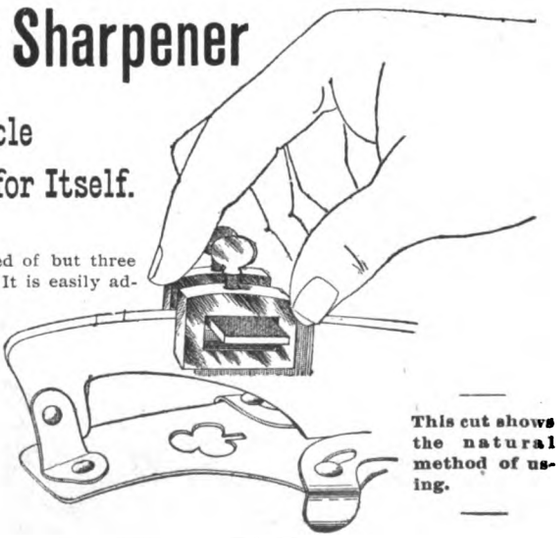
Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

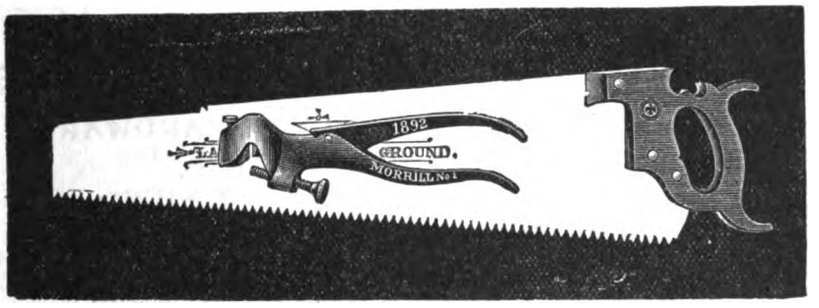
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?

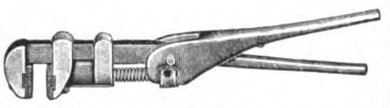
WE FURNISH COMPLETE OUTFITS.

THE HANSON & VAN WINKLE CO.,

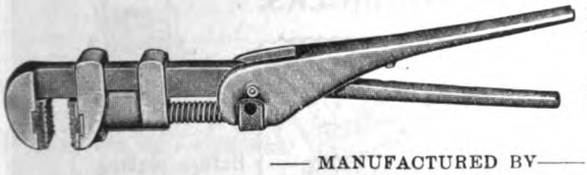
CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

This Wrench



Is becoming a general favorite among Steam-Fitters, Jobbers and Plumbers.



— MANUFACTURED BY —

Wright Wrench Co.,

28 Bellevue St., Worcester, Mass.

HALL'S IMPROVED PIPE WRENCH.

DO YOU SAY that this wrench will crush or cut the pipe? It will, and so will ANY PIPE WRENCH if you don't know how to use it. The principal cause of Pipe Wrenches crushing or cutting the pipe is because the GRIPPING POINTS ARE DULL.

THIS WRENCH if kept sharp



will grip high on the pipe, and you can screw a pipe so tight that it will open a malleable fitting, and strip the thread, WITHOUT CRUSHING OR CUTTING THE PIPE.

You can sharpen THIS WRENCH IN A FEW MINUTES on a grindstone or emery wheel WITHOUT TAKING IT APART.



It is impossible to LOCK OR WEDGE THIS WRENCH on the pipe.

It will COST LESS FOR REPAIRS than any other Pipe Wrench.

IT IS THE BEST SCREW WRENCH, as it is stronger than any other, and by pulling the reverse way it will grip a nut or fitting and WILL NOT SLIP.

It is DROP-FORGED from TOOL STEEL.

Sam'l Hall's Son,
229 West 10th St., New York.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



TRADE MARK.

THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	¾—¾	½—1	¾—1⅜	1⅜—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.

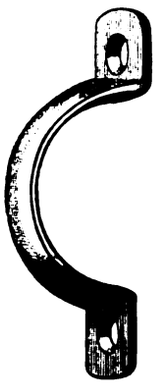
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY

AMERICAN SAW CO. Trenton, N.J.



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F. KLAGES & CO., 107 Chambers Street, 91 Reade Street, New York City.

SOLE AGENTS FOR U. S. AND CANADA FOR THE

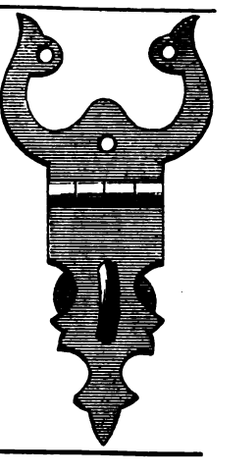
Buchanan Brass Hardware Co., Limited,

Manufacturers of BRASS and BRONZE HARDWARE.

Door Pulls, Shutter Bars, Drawer Pulls, Corner Plates, Hook Sash Lifts, Mirror Plates, Flush Sash Lifts, Plate Escutcheons, Cabinet Escutcheons, Fire Screen Hinges, Moulding Hooks, Fancy Box Hinges, Refrigerator Hinges, Fancy Cabinet Hinges, Box and Chest Corners, Brass and Zinc Washers, Floor and Ceiling Plates, Water Closet Seat Hinges.

SEND FOR CATALOGUE.

S Hooks, Hinge Plates, Stair Corners, Stair Buttons, Loose Pin Butts, Strap Hinges, Door Numbers, Shelf Brackets, Padlock Hasps, Mending Straps.



Revolution in Washing Machines.



Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

The Champion Washing Machine Co.,

213-223 West Third St., Cincinnati, Ohio.





ELECTRIC WASHING MACHINE

MADE OF

Best Virginia White Cedar.

All Trimmings, Castings, &c., Galvanized.

● AN EASY SELLER. ●

Prices and Catalogue gladly sent on application.

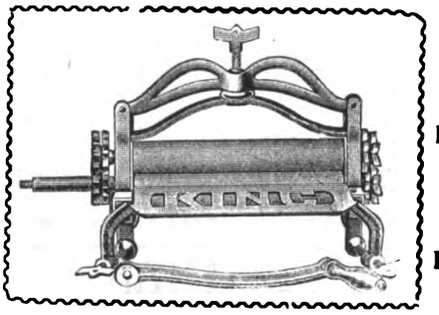
Richmond Cedar Works, Man'f'rs of Woodenware,

RICHMOND VA.

Mention HARDWARE.

WOOD AND IRON FRAME WRINGERS.

HIGH GRADE, WARRANTED.







Before placing FALL ORDERS write us for our PRICES and TERMS.

NATIONAL WRINGER & MFG. CO., Canton, Ohio.



NO MORE GARBAGE CANS

to poison the air and become a nuisance. All the kitchen refuse turned into fuel for the morning fire quickly, cleanly and easily by the

HOUSEHOLD GARBAGE CARBONIZER.

A practical, simple, efficient sanitary and inexpensive device, that converts the garbage into charcoal without offence or trouble, and with no interference with the stove or the draft.

Endorsed by Sanitary Authorities.
Recommended by Health Officials.
Adapted to any style of Stove or Range, and for any Family or Building.

SEND FOR CATALOGUE.

W. F. MORSE & CO.,

58 Pine Street, NEW YORK.

WHY NOT SELL LINENOID PORTABLE BATHS?

White Enamel Finish.

WRITE FOR DISCOUNT.

CRANE BROS., Linenoid Manufacturers

WESTFIELD, MASS.

Linenoid Pin Tray Free.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.

Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS - - SEND FOR CATALOGUE.

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LARGEST FILE AND RASP PRODUCERS IN THE WORLD.

NICHOLSON . .
GREAT WESTERN
X. F. (EXTRA FINE)
AMERICAN . . .

The Standard Brands.

✳

FACTORIES AT
Providence, R. I.
Beaver Falls, Pa.
Pawtucket, R. I.

✳

MAIN OFFICE AND ADDRESS:

NICHOLSON FILE COMPANY

PROVIDENCE, R. I., U. S. A.

OPERATING FOUR DISTINCT PLANTS.

✳

Capacity, Equipment and Quality of Product Unequalled.

CABLE ADDRESS:
"NICHOLSON,"
PROVIDENCE, R. I. U. S. A.

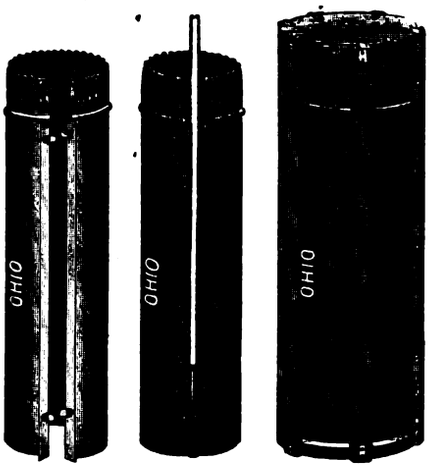
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizse:

4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in.... " 6½ in ... "

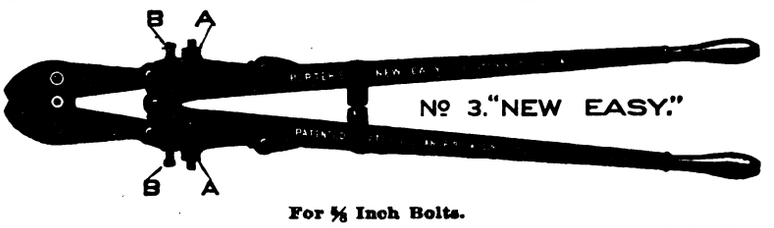
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

OVER 35,000 SOLD.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

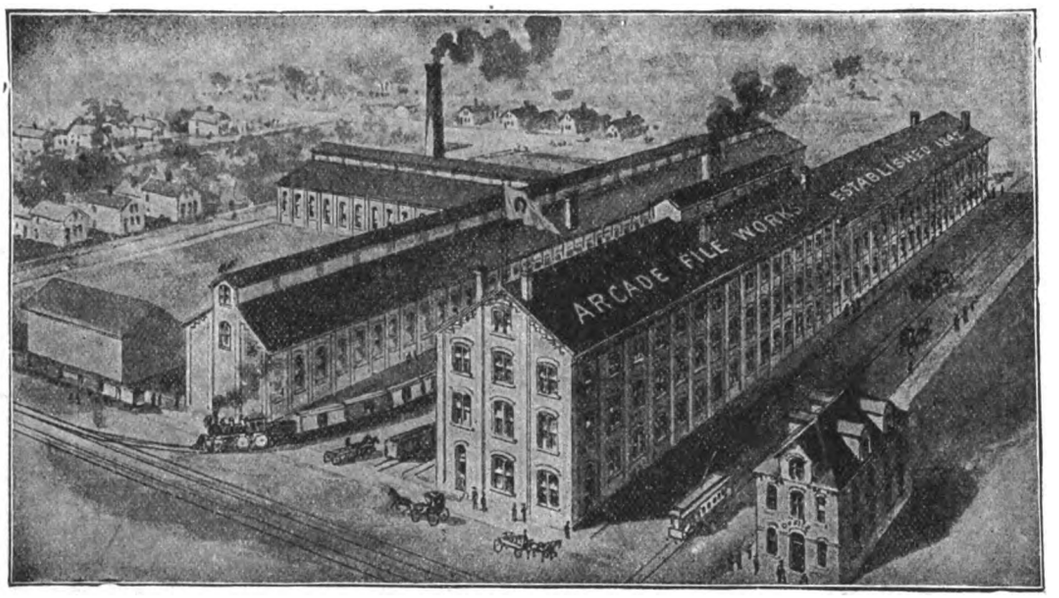
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

STANDARD OF EXCELLENCE.



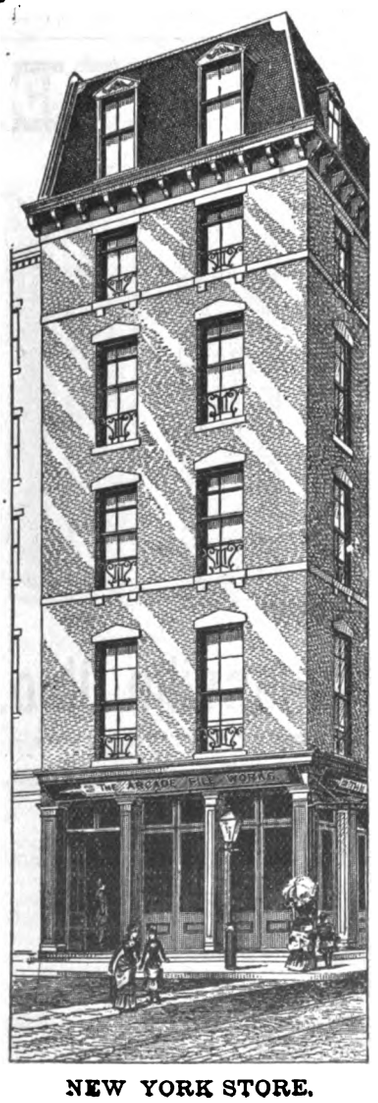
QUALITY UNEQUALED.

Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.



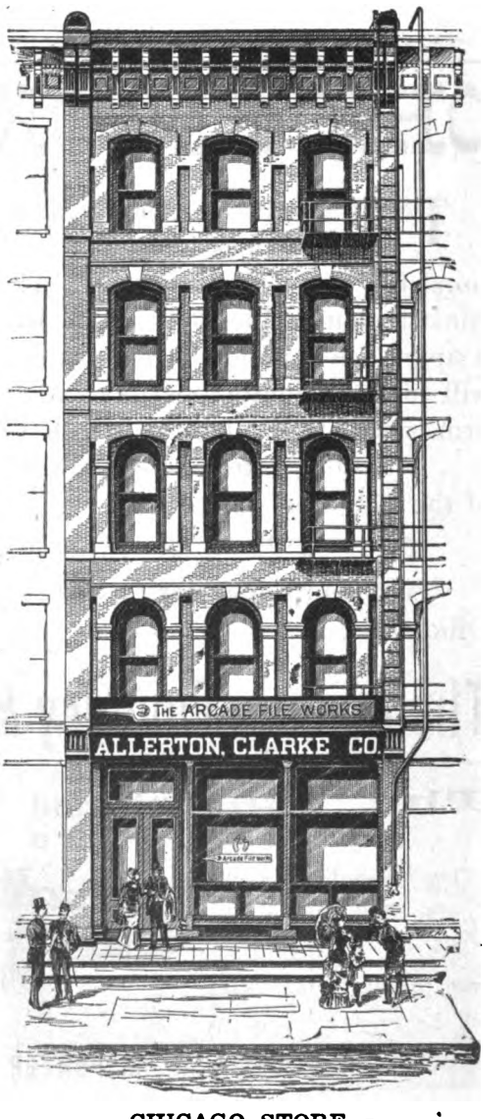
NEW YORK STORE.

OFFICES AND WAREHOUSES:

23 Lake Street,
CHICAGO.

83 Reade Street,
NEW YORK.

For the convenience of the jobbing trade, we have opened offices and warehouses in New York and Chicago, where we carry a large and complete stock, and are thus enabled to supply the trade promptly.



CHICAGO STORE.

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Great Western Files.

Important Announcement.

The Plant of the Great Western File Co., at Beaver Falls Pa., formerly known as the Western File Works, is now operated and controlled by the

Nicholson File Co.,

Providence, R. I.,

who already own and operate three distinct plants in Rhode Island Since obtaining control of this property important changes have been made in the arrangement of buildings. Numerous machines added of the latest and most modern type, so that the Plant in its entirety is now, with the exception of the Nicholson, at Providence, the largest and best equipped file works in the world. The product will be strictly first quality and known as the Great Western Brand.

Main Office and Address:

Nicholson File Co.,
Providence, R. I., U. S. A.

Operating four distinct plants:

Nicholson--- Providence, R. I.
R. F.-- Providence, R. I.
Great Western--- Beaver Falls, Pa.
American--- Pawtuchet, R. I.

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ENTERPRISE

BONE, SHELL AND CORN MILL,

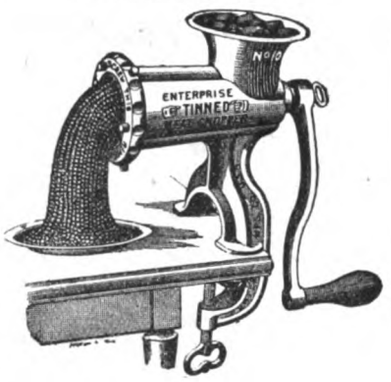
NO. 750.



PRICE $7.50.

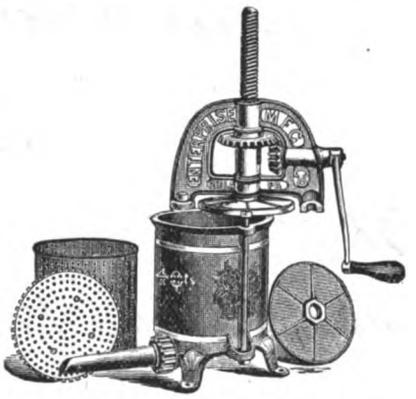
Meat Chopper,

TINNED.



NO. 10, ...
. LARGE FAMILY SIZE,
. . . PRICE, $3.00.

. SAUSAGE . STUFFER AND LARD PRESS.



NO. 25---4 QUARTS.

PRICE, $5.00.

. . . . ALL THE LEADING JOBBING HOUSES SELL THEM. . . . .
Catalogue mailed FREE upon Application.

THE ENTERPRISE M'F'G CO. of PA., Philadelphia, U. S. A.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION

On page 73 will be found a special letter of importance from the

Samuel Winslow Skate Mfg. Co.

OF

WORCESTER, MASS.,

TO THE SKATE TRADE.

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HARDWARE

VOL. XII. OCTOBER 10, 1895. NO. 1.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the

HARDWARE PUBLISHING COMPANY,

No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:

CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 187 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS
LARGER THAN THAT OF ANY OTHER
PAPER IN THE UNITED STATES DEVOTED
EXCLUSIVELY TO THE HARDWARE TRADE.

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Bicycle Prophecies for 1896.

The interest of the active and intelligent Hardwareman in all that relates to the sale of Bicycles and their adjuncts, is widespread and natural, and increases with each succeeding season. This is because so many dealers are added each year to that large number who had already made the wheel a permanent and paying portion of their stock. All the evidence at hand favors the statement that there will be many more to enter the trade for the season of 1896, than were placed upon the record in that just closed.

From the beginning, it has been the pleasure of HARDWARE—as it was its business duty—to urge upon the Hardware dealer the advantages arising from the sale of wheels. We took that stand at a time when a great many in the trade looked with little favor upon the suggestion, while not a few were set against the new departure altogether. Time, and the rich experience of the several years past, have justified the wisdom of that position. We have also made it a point of duty to keep the trade acquainted with such movements in the bicycle world, as had a bearing upon the making and selling of wheels.

In accordance with that purpose, HARDWARE has recently addressed a letter to many of the leading wheel manufacturers of the country, asking their opinions as to several points of prime importance. The answers have been prompt and full, and the information given, while, of course, not exact—an impossibility in the nature of things—is of value as showing the views of the leading makers as to the chances and possibilities of the future. A number of these answers appeared in the issue last preceding, and others are given elsewhere in that of to-day.

The ground covered by these questions was substantially as follows:

How many bicycles will be manufactured in America for the season of 1896?

How many were manufactured in 1895?

In your opinion, how many wheels were marketed by the Hardware trade during the year past?

Will the prices of bicycles in general be lower or higher?

Is there any danger of the bicycle business being overdone?

A summary of the responses will be of interest. The opinions of those who made a guess as to the total output of wheels for 1895 and 1896 are as follows:

	1895.	1896.
Pope Mfg. Co., - - -	600,000	1,000,000
Fay Mfg. Co., - - - -	450,000	750,000
Crawford Mfg. Co., - - -	450,000	700,000
Rochester Cycle Mfg. Co., - -	400,000	750,000
McIntosh-Huntington Co., - -	350,000	600,000
Winton Bicycle Co., - - -	400,000	800,000
Warwick Cycle Co., - - -	500,000	800,000
St. Louis Refrig. & Wooden Gutter Co.,	425,000	750,000
Queen City Cycle Co., - -	400,000	650,000
Monarch Cycle Co., - - -	450,000	750,000
Grand Rapids Cycle Co., - -	450,000	750,000
Rouse, Hazard & Co., - - -	500,000	900,000
E. C. Stearns & Co., - - -	750,000	1,000,000
Peerless Mfg. Co., - - -	300,000	600,000
Snell Cycle Fittings Co., - -	500,000	650,000
Hunt Mfg. Co., - - - -	500,000	1,000,000

The above statements answer the first and second questions. The third question is the one that relates more directly to the Hardware trade; and as these manufacturers speak out of their own experience, there is no small value in their responses. Here is what some of them say:

"The Hardware trade is becoming a more important factor all the time in marketing bicycles, and in a very large number of cases they make the most desirable agents that can be found."

"We think that more than 40 per cent. of our output was marketed through them, and it is the writer's firm belief that the Hardware dealers are one of the best channels through which to market this class of goods. We were among the first to seek an outlet through them, and have no reason to regret our effort in that direction."

"A large measure of them were marketed by the Hardware trade in one form or another."

"The Hardware dealers are the distributors of a very large percentage of the output, and are materially increasing their efforts in this department of their business."

"It is impossible for us to judge of how large a proportion of the goods made this year were marketed by the Hardware trade, but we believe it was quite a liberal percentage."

"A large proportion of our machines have been marketed to the Hardware trade of the United States. We have found that Hardware dealers who take the

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matter up with the right spirit, and endeavor to become thoroughly posted regarding the details of the business before entering it largely, make the very best of agents."

"Probably twenty per cent. of the bicycle business is handled through merchants who deal in Hardware."

"We have no accurate means for estimating the number of wheels marketed by the Hardware trade during the past year. Perhaps twenty-five per cent. of our output has been handled by the Hardware trade."

"We can only make a rough guess as to the proportion of machines that were marketed by the Hardware trade during the past year. We would say, however, that probably one-third of the entire quantity was sold in this manner."

"We have no basis for an opinion as to how many wheels the Hardware trade marketed during the past season, but we should think that that trade must have undoubtedly been a considerable factor in disposing of the bicycle product."

"The Hardwaremen have certainly become an important distributing source for the bicycle manufacturers, and every year they will undoubtedly be more in evidence."

"Probably one-half were marketed by the Hardware trade, either wholesale or retail."

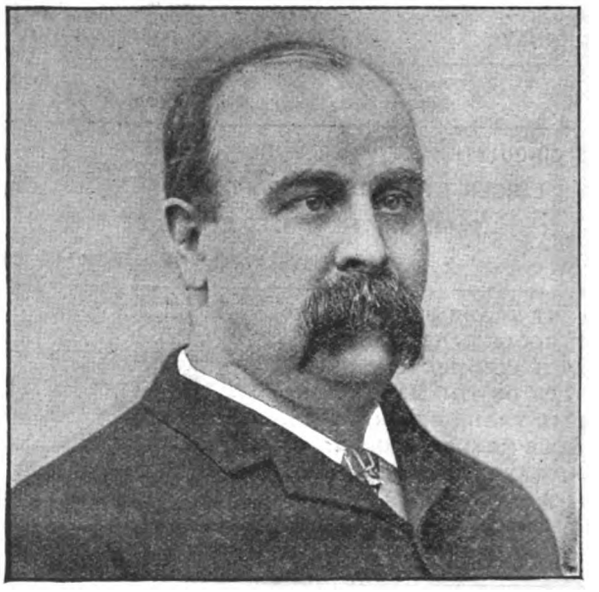
As to prices, the general opinion is that they will be about the same as in 1895, any tendency to cut prices being met by the increase in the cost of material and labor. Some answers touch very pointedly upon the question of overproduction; and a glance at the numbers of new concerns entering upon the manufacture of wheels, as given in our bicycle trade record each issue, will show that there is danger in this direction in the near future, if not at present. There is one pleasing point that will be noted in a perusal of these answers: Nowhere is there a suggestion as to a waning of the interest of the public in the bicycle question. Apparently, the wheel has come to stay.

HARDWARE calls attention in a recent number to the need of action by the Legislature to insure greater safety on the electric elevators so much in use in the tall buildings of cities. Each elevator in a modern New York "sky-scraper" travels many miles a day. Even when the safety appliances work, after a sudden and unintended descent through several stories, the effect is rather severe on the well being of the passengers. A man may be ever so cool in the presence of such danger, yet the experience is one which may be injurious to him in a physical sense. It is one which no woman should be called upon to undergo. To be sure, there are guarantee companies which regularly inspect the elevators for which they assume responsibility. The law should provide that such inspection shall be systematic and general. It will not do to wait until some awful accident draws popular attention to the subject. As the number of these elevators increases there is danger that constructors and those maintaining them will become careless, and the lives of thousands will be more subject than now to deadly perils, if the inspection is not rigid.—*New York Telegram.*

Duxbury's great record ride from San Francisco to New York, breaking the record by ten days and seventeen hours, was accomplished on the Lovell Diamond Bicycle. This speaks well for the John P. Lovell Arms Co., as the whole trip was made without a mishap to the wheel. It surely proves its great strength and durability.

Nominee Keating.

The Hardware trade of New York has been complimented by the nomination of one of its leading members to an important city office. Thomas F. Keating is the nominee for City Register of the fusion between the Republicans and the State Democracy, having long been a leader in the organization last named. Mr. Keating needs no introduction to the readers of HARDWARE. For over a quarter of a century he has been identified with the Yale & Towne Mfg. Co., and is now its assistant treasurer and manager of its sales department in New York. He was born in Pittsburg, Pa., about forty-seven years ago. He became identified with the Yale & Towne Co. twenty-six years ago; first as salesman, and later in other positions of responsibility and trust. He has always been interested in everything pro-



posed for the good of the Hardware trade. He was one of the most active and efficient among the founders of the Hardware Club, and has been a member of its board of governors, and treasurer, from the beginning. The value of his labor in these positions cannot be overestimated.

He has been in New York politics for fifteen years, but actively only for the past four years, during which time he has been the Grace Democracy Chairman in the Ninth, formerly the Thirteenth, Assembly district. He was prominent in the affairs of the old County Democracy, and was one of the founders of the State Democratic organization. He was very active in the anti-Snapper movement, and was contestant for a seat in the last Democratic State Convention at Syracuse. Personally he is genial and approachable, and has not only the respect, but the sincere regard of all his personal and business associates.

For distribution at their exhibit at the coming Exposition of the Massachusetts Mechanics' Charitable Association of Boston, the Bissell Carpet Sweeper Co., who seem to be thoroughly up in all points appertaining to advertising, have gotten up a very neat Lady's Blotter, lithographed in eight colors and perfumed. It is quite a neat idea and one that will doubtless meet with the approval of the ladies. The Bissell Co. expect to make a very excellent exhibit at this Exposition.

Those Cincinnati Hardwaremen who bought 100,000 kegs of nails last spring at 95 cents and have just sold them at $2.40 can afford to open a keg.—*Kansas City (Mo.) Journal.*

She Loved Another.

He couldn't discover the key to her heart,
Though his love was a strong and a hale one,
For how was this Harvard young student to know
That the lock on her heart was a Yale one?

—*New York Herald.*

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Mr. Nutting on American Trade.

J. R. Nutting, of Sickels, Preston & Nutting Co., Davenport, Iowa, recently published in the *Ironmonger*, England, a very interesting communication, which we are pleased to reproduce in full: "It would be impossible to answer your inquiries of July 25th, directly or even in a general way, without seeming to discuss politics, and as we are free to admit that we have strong political preferences, we could not attempt to answer some of the questions asked without more or less prejudice. Omitting our own ideas of the cause of the late depression of business in the United States, or the reason for its radical improvement now, the improvement is certainly here; business in Hardware is good, and the American manufacturers in this line, or, in fact, of any goods made of metals, especially iron and steel, are crowded with orders, and give evidence of substantial prosperity. There is no indication of a 'boom.' Under depressing influences, some time ago many of our factories were closed, and in order to realize quickly on finished articles on hand, an immense amount of manufactured goods were thrown upon the market regardless of cost, to say nothing of a profit to the makers. As soon as encouraging conditions began to appear confidence returned; the surplus stocks having gradually melted away, were no longer a disturbing element; inquiries for prices became more frequent, orders for present wants were larger, and the more confident buyers began contracting for future wants. The factories were again started, wages increased, wage-earners having plenty of work and liberal pay, began spending money freely, trade became better, prices began to advance, and are now slowly but surely returning to a normal basis. Until they reach that point, while stimulated with upward tendency of the markets, trade will of necessity be brisk, margin of profits will be larger, and when normal prices and normal conditions are fully restored our average prosperity will be maintained without any reaction, until some unforeseen disaster again disturbs our domestic commerce and our commercial relations with other countries. Higher prices here, with increased volume of business, will necessarily cause our merchants to draw on your factories for larger quantities of goods."

The Gem Stove and 1896.

The Dangler Stove & Mfg. Co., Cleveland, Ohio, make the following special announcement to the trade:

THE DANGLER STOVE & MFG. CO.

CLEVELAND, OHIO, October, 1895.

Gentlemen: When we first called the attention of the public, a year ago, to the special merits of the Gem Stove, we did so because we were thoroughly convinced ourselves that we had succeeded in making a stove that must meet with popular favor, and after a year's trial by over 30,000 families throughout the United States, we have their unqualified endorsement of the many advantages of the Gem over all other Vapor Stoves ever put upon the market:

First: Because it is handsome, convenient in construction, and absolutely safe.

Second: Because it has a more powerful heating capacity, and at the same time uses less gasoline than any other style of Vapor Stove.

Third: Because it is a perfect working stove in every respect, and at a price within the reach of every household.

The absolute merits of the Gem Stove having been so thoroughly established, we have decided to make a complete line (with added improvements in burner and tank) for the season of 1896, including the Cabinet Ranges. The Gem is exclusively our own, covered by fundamental patents, and can be made by no other manufacturer.

We will also continue as heretofore to make a full line of the Evaporating or Process Stoves, as well as the regular Generating Styles and Juniors, so that we are fully prepared to supply the trade a complete line of Vapor Stoves, as well as Gas Ranges and Stoves, for 1896, and think it would be to your interest to familiarize yourself with our line before purchasing. Respectfully,

THE DANGLER STOVE & MFG. CO.

Landers, Frary & Clark's New Catalogue.

We have just received from Landers, Frary & Clark, New Britain, Conn., their catalogue for 1895. It is a handsome volume of some 200 pages, bound in black boards, with an ornamental edge. The edges of the leaves are red, which makes a striking contrast to the black cover. The company say that as most of their Hardware is house-furnishing, it has been found more convenient for the trade to have it in one book, and they have therefore put their entire line in that form, and have tried to make as compact a book as possible. Additionally, they have issued a photogravure catalogue of fine goods, showing full size photographic representations of the goods of a class which are not always carried in stock, and that when sold by illustration should be accurately represented. It is rather a new departure in this line, and is indeed a handsome and attractive book. Landers, Frary & Clark are among the leading cutlery makers of the country, and have reason to be proud of their catalogue. Some of the articles embraced in the illustrations are: All kinds of carving sets, in ivory, pearl and stag; table, medium, and dessert knives and forks; steels, fish knives and forks; cheese scoops, cake and cream knives, berry spoons, crumb knives, soup ladles, pie knives, salad sets, table knives in a variety of styles, ink erasers, bread knives, butcher knives, hunting knives, and a variety of articles too numerous to mention.

Change of Firm.

John W. Hughes, who for over twenty-five years has been connected with W. & S. Butcher's agency, became, on October 1st, sole agent for the above goods in the United States. Francis Speir, who has been the agent of W. & S. Butcher in this country for over forty years, has retired from the business. Mr. Hughes has associated himself with McIlwaine & Linn, under the firm name of McIlwaine, Linn & Hughes, at No. 122 Chambers Street, New York. The new firm will represent, as sole agents, the following factories, and will continue to visit the trade in the interests of these factories, and all business entrusted to the new firm will receive prompt and careful attention: Mannesmann Tube Co., W. & S. Butcher (Wade & Butcher), Ward & Payne, Maleham & Yeomans, Singleton & Priestman, of England, and Ad. Arbenz, of France.

The Vapor Stove Manufacturers.

At the recent annual convention of the Vapor Stove Manufacturers' Association, held in Cleveland, Ohio, there were added to the nine original members, four new ones. This is not, as some of the daily newspapers seem to imagine, a "combine" or a "trust," but simply an association which meets annually to fix the list prices and discounts. In this way they have managed for the last eleven years to establish and keep a uniform list and discount, and while there is an advance in the material which enters into these stoves, there has been only a slight advance made on a few of the stoves manufactured by the Association for the season of 1896.

The Buckeye Churn Co., Sidney, Ohio, would be glad to furnish any needed information as to the merits of their famous Buckeye Churn, the one built upon the principles of concussion. They have reasons to believe in it themselves; and, in a true missionary spirit, would be glad to carry the glad tidings to others.

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Something About High Explosives.

As a sample of the printers' and designers' art, and as an educational treatise on the qualities of High Explosives, the catalogue recently distributed by the Repauno Chemical Co., Wilmington, Del., deserves more than passing mention. It is of eighty-one pages, on heavy calendared paper; the cover is artistically designed, and shows Atlas with the world upon his shoulders, and the words "Atlas Powder" outlined in a blasting fuse. The illustrations, of which there are over fifty, are very instructive, besides being of real artistic merit.

The frontispiece represents an explosion with Atlas Powder in the Chicago drainage canal. Scattered through the pages are other realistic representations: Mixing Atlas Powder at the Repauno works, group of employees at the Repauno works, machine shop, interior of shell-making house, birdseye view of the Judson Powder works, and acid works and refineries, office and laboratory, the Atlas Powder and Repauno gelatine works and the laboratory, Repauno works being the principal ones. Other views show the effect of the various high explosives manufactured by the company in ice blasting, in breaking log jams, stump blasting, etc. The letter press is in red, and everything is stated in a clear and concise manner.

The name "high explosives" is now generally applied to that class of explosives of which nitro-glycerine is the active principle. "Atlas Powder" and Repauno Gelatine, manufactured by the Repauno Chemical Co., are classed under this head. The value of an explosive depends on three things: Strength or disruptive power, safety in handling, and keeping qualities. The productions of the Repauno Co. are said to possess all of above essential qualities. "Atlas Powder" is a mixture of nitro-glycerine with an absorbing dope, the chemical formula of the latter being so devised, that in addition to thoroughly and permanently absorbing the nitro-glycerine, it is itself a gas producing compound, thus materially assisting the effect of the explosion. It burns freely without explosion when unconfined in the open air, and will not explode by rough handling, overturning of wagons, collisions of cars, or by any ordinary fire. When fired by a blasting cap, it explodes with enormous force. Its uses are manifold, being employed for driving tunnels, railroad and other grading, sinking shafts and wells, mining silver, gold, lead, zinc, copper, iron, and other ores, moving piles of frozen ore in winter, quarrying, blasting clay for brick making, sub-marine blasting, removing wrecks, clearing ice-gorges, starting log jams and roll-ways, breaking stumps and trees, blowing holes for transplanting trees.

"Judson R. R. P." is a grained powder, having the heaving properties of blasting powder, combined with (some of) the great force and quickness of "Atlas Powder." It does not freeze in cold weather like high explosives, but has a tendency to "ball" or form in lumps. Where it is desired to have it in the grained form for facility of loading, it can easily be reduced to grains by placing "lumps" on a piece of canvas, or a floor, and breaking them up with a little pressure. This slight congealing has no effect on its power, and it need not be thawed like high explosives. It is not water-proof like "Atlas" and "Repauno Gelatine," and when opened it should not be left lying around exposed to the air and dampness. A good plan is to put it in an old powder keg, when being carried around the works. The Judson Powder is mostly used in railroad and canal grading. "Repauno Gelatine," as the name implies, is a high explosive powder, having a gelatinous consistency. It is therefore plastic and very dense or heavy, two very advantageous features in certain classes of work. It is made of any required strength, but the higher grades have extraordinary disruptive power, the highest grade being decidedly stronger than pure nitro-glycerine, and therefore very much stronger than 75 per cent. of dynamite, which is the strongest grade of that class of explosive that can be made.

Its plastic property, together with its unusual density, renders it particularly suitable for submarine work, or for tunnel or mine work where the flow of water is strong, because it will adhere firmly together even after the wrapper or shells are removed and is not, therefore, disintegrated and washed away by the water. By following the instructions given in this little book, an individual with an ordinary amount of common sense, could soon become an expert on some of the simpler forms of blasting, such as blasting boulders and clearing land of stumps.

A Great Southern Wire Factory.

A visit to the extensive establishment of the Dow Wire Works Co., Louisville, Ky., or an examination of their catalogue, will show any one that by no means are all the wire goods of this country made north of the Ohio River. They both give force to the statement made by the company that they have "the largest factory in the South making counter railings, wire and iron fences, iron beds, window and grate guards, fine scroll and brass work, electro bronze, etc."

The articles they make are almost infinite in variety, and covering about all the uses to which wire can be put, even in these days when the demands of civilization are so great and varied. A glance at their catalogue, No. 10, which is general in character, and does not include their special catalogues on fly screens, iron beds and bicycles, will show that they range from hat trees to grave guards; from store gates to elevator enclosures from paper racks to oat mangers; expanded metal lath to hitching posts; smoke-stack bonnets to ox muzzles; rat traps to forms for ladies' dresses; sand screens to wire clothes lines; egg-beaters to nursery fenders; bird cages to wire mats; babies' wire baskets to jail beds; post hole diggers to lawn tennis courts; lattice fences, poultry coops, wire stretchers, weather strips, fly screens, milk strainers, egg-beaters, tea pot stands, coal riddles, wire hens' nests, harness hooks, counter railings, transom guards, etc., etc. The Hardwareman who wishes to know what an infinite opportunity there is for the extension of his trade in the wire line, should send for a copy of this catalogue.

One seasonable line to which they are giving special attention at this time, and which is certainly seasonable for profit to retailers just now, is their Wire Spark Guards. They make various kinds and sizes of these, the details and prices of which will be furnished upon application. Their No. 5 is ⅞ inch diamond mesh, tinned wire, crimped; their No. 2 is 1¼ inch diamond mesh, coppered wire, crimped; their No. 4, ⅞ inch diamond mesh, tinned wire, crimped. These run in sizes from 16 to 24 inch. They are referred to as necessary to every grate, as "there is no danger of children falling into the fire or ladies' dresses burning when these guards are used."

They also make a lined Spark Guard, either square top or round top. These are made without hooks, and are intended to set down on the hearth. They are made either tinned or coppered, as desired.

The company also manufacture Wire Nursery Fenders which are set on the hearth and used before open fire places and grates to keep children and ladies' dresses from the fire. In their No. 3 the top and bottom frame is half-oval and bronzed; wire tinned and crimped in a ⅞ inch diamond mesh; put up three in a nest, one each, 32, 34 and 36 inches wide. They also make a Wire Nursery Fender with polished brass top and ornaments, and has an iron frame which is very strong, and the polished ornamentation upon the top gives it a handsome figure. They make these any size, to order. One other useful and attractive article is their Wire Stove Guards, made to any size, on order. The catalogue illustrating and describing all their line should be in the hands of every dealer.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK.--IX.

During the few days that followed the dropping of this bomb-shell of Simon House in our little home, my wife was very busy in figuring out methods for the raising of that thousand dollars. As an available start toward it, she brought to light some fifteen dollars that she had been slowly hoarding toward clothing. The remaining $985 was yet a deposit in the bank of her faith.

"Have you raised the money yet?" I jokingly asked her, a day or so after Mr. House had floored us with his proposition.

"I have not," she answered, "but I am beginning to see my way toward it."

"In your mind, my dear."

When I came home to supper, she had everything upon the table, ready at my hand. "You won't mind eating by yourself," she said. "I must run across the way, and don't want to leave the house alone."

As "across the way" meant, of course, only a little gossip with a neighbor, I made no objections. She was gone so long, that I closed the house without waiting for her, and went to the store. There I found the truant back of the counter in conversation with Simon, who seemed very much pleased over something, as he was engaged in an operation to which his heavy face was not used—that of harboring a smile that spread from ear to ear.

"Don't try to beat him down, Min," I said. "He's a hard customer on a trade."

"This isn't business; it's politics. I've promised to help him for sheriff, and that makes him smile. Now remember, Mr. House, it's a bargain?"

"Of course. A man who wants to run for office in this section of Ohio, has to keep to all he says."

When I went home at night, she told me something that made me open my eyes, and proved that she had really entered upon a campaign for the needed money.

"I had a talk with Mr. House about it," she said. ("It" in that household just then, could mean only one thing.)

"No wonder he laughed."

"You wait. I have made him agree to come down two hundred dollars. If you can pay in eight hundred, he will take the rest out of the first profits coming to you."

"The dickens you have!"

"Yes, and what's more, he's to let me make bonnets and dresses for his folks for another hundred. That cuts you down to seven hundred, and if you can't raise *that*, you don't deserve a wife with a Rothschild's head upon her shoulders."

"That's so!" was about all I could say, in my wondering admiration. "I'll have it now, if I go to Grange and rob a bank. It can be done with no trouble. The old Western Reserve has a loose grating on the Main Street side. Once in the cellar with a crowbar ——"

"It's to be had nearer than that," she responded significently.

"Where?"

She pointed in the direction of Weston.

"You don't know them," I answered.

"I know how to manage them better than you do."

A few days later I asked a day off, and with my wife and the store horse and wagon, set out for a visit in Weston.

The old folks were glad to see us, and listened with interested attention to my wife's glowing account of the road to fortune that had opened before us. We had decided to make no suggestion, as we knew that help would come all the more sure if we let it come as an offer from the other side. We accordingly spoke of the offer as one that of necessity must be declined, and went over upon another topic as though that one was permanently closed.

When we returned from a call upon some friends, I saw that my father had been led into the pantry by his better half, and was listening to a general declaration as applied to loans and the family fortunes. This state of siege was ended when we came in, and father went out on the horse block, and entered into a long communion with himself.

Just before we were ready to start for home, he suggested a look through the orchard. We talked of fruit, and the crops, and politics, and at last when he could put it off no longer, he said: "Mother has got it into her head that Sim House's offer is a good thing."

"There's no doubt of it," I answered. "The business is sound, the patronage good, the boss an honest man; and I know that even at the worst, the investment would pay ten per cent., and is certain to pay more. But I've made up my mind that it is out of the question for me, and that ends it."

"You wouldn't ask your old dad for a lift?"

"I would ask him willingly enough if I knew he could spare it. But the one thing I made up my mind not to do when this thing was sprung upon me, was to ask you to take any of the risk."

"But if it's a sure thing, where's the risk?"

"There always is."

"How much cash down does Simon want?"

"Seven hundred dollars. We can fix the rest." I told him of my wife's diplomacy. This pleased the Yankee strain in his nature, and he came as near smiling as a Yankee ever does when a money deal is in progress.

"See here, my boy," he said. "When mother and I go, we can leave you boys perhaps a thousand apiece. If I help you in this matter, and it don't turn out all right, the loss must come out of your share. That's only fair to the rest."

"Entirely fair."

"I have two hundred in the bank. John Evans wants the pony, and that will be a hundred more. I can get four hundred from Deacon Bundy on six per cent. Now if you think it's a good thing, go in and get up the new sign as soon as you please."

And so it was settled. I was determined that father should be protected, and the papers were so made that he had a lien upon my interest until the debt was paid. The sign was changed to "House & King," and my wife took an upward step in the social life of Branch, as the helpmeet of a proprietor instead of that of a clerk.

Simon House became sheriff that fall; and it was my wife who made him so.

She did not become a politician in petticoats, and mount the stump, or ride the county in his behalf. She could have done none of these, in very modesty; nor would she have found welcome or respect from candidate or voters in doing so. The New England decorum of our country life in the days of which I write, had room nowhere for that modern wonder which the comic papers of to-day have created—largely, thank heaven, in their imaginations—and call the "New Woman." She simply set her hand to a little service for her home and husband; and because she was working for love, and because her heart was in the endeavor, her effort was crowned with success.

Mr. House was a Republican, in that wonderful Ohio district which for a long series of years kept Elisha Whittlesey in Congress; which followed with Joshua R. Giddings for a quarter of a century or more; and which took James A.

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Garfield out of the army and kept him in a more important service in Washington, until the people called him to a still greater trust.

It was a district in which money could not dictate the nomination or election of any candidate. Where character and the confidence of the people were requisites for political preferment. Where the farmers, as they met each other upon the country roads, or sat upon rainy days around the stoves in the village stores, decided as to platform and candidates; and where the man who set up to be a "boss" found himself helpless and out in the cold at the end.

Simon had served in his younger days as constable of Branch, and in his heavy, honest, bucolic way, had fallen into the notion that he would like to round out his career in the honorable and responsible office of sheriff; go to Grange and for a few years reside in the handsome brick dwelling in front of the jail; carry the keys to doors behind which malefactors were held; and be, for a time, a figure of some importance in the councils of the county. It was an honorable ambition. and he was well fitted for the place.

For several busy weeks Simon's black mare was seen speeding about the county roads, from Mesopotamia on the one hand to Hubbard on the other, and the amount of talking that this usually reticent man was compelled to do was enough to make him hoarse for life. There were other candidates in the field, and a week before the convention my partner found himself short of a nomination by several votes.

We were discussing the question one Sunday afternoon in the shade of his grape arbor, our wives eager listeners to all that was said. "One town delegation more," said Simon with a sigh, "and I would be all right."

"Let's see the list again," I said. Among those set down against him was Weston, my father's home.

I asked him what was the trouble over there.

"Well, they have a candidate for the legislature, and are lying low for trades. They won't commit themselves; but I have inside information that leads me to set them down against me."

"You don't mean to let them get away without knowing for sure?" asked his wife.

"I've done all I could," said Simon meekly.

"You give up too easy, I guess," said my wife.

"Well, I've done all I can. If you women know more about politics than I do, perhaps you had better manage my campaign."

"Will you give us a chance on the Weston delegates?" asked my wife with animation.

"Sure," said Simon, and dismissed the question with a laugh.

A day or two afterward these two scheming politicians in petticoats announced a trip to Grange, and laid a requisition upon Simon's horse and buggy. Upon their return at night they were very happy, and my wife confessed it all when the store was closed.

"We did not go to Grange, but to Weston. Father gave me the names of the men I must see, and by good luck I had known them all from my babyhood—Hen Greer, Lon Miller and Milo Wilcox. I told them all about your deal with House, and showed them that any help for him was help for us; and I never left a man of them until he gave me his solemn word that he would vote for Sim. But it must be kept very quiet, for they are supposed to be for that man from Mecca. They say that the nomination for legislature comes first, and that their candidate for that office will be either elected or defeated before a sheriff is chosen. They will then be free to go in for Sim; and they do this all as a personal favor to you and me."

Unlike most things in this world, the programme was carried out to the letter. The man from Weston was selected for representative in the State legislature, and Simon House was nominated for sheriff, with only two votes to spare.

The Bicycle in Japan.

In casting about the world for the good things thereof, the Japanese have not overlooked the bicycle. One of the droll sights presented me upon my landing here was a Japanese youth perched on an old-style home-made bicycle, getting direct action from the wabbling front wheel, his eyes turned upward and his kimono wings flapping in the breeze. The vehicle was constructed of plain wood and iron, and the only springness in it came from its general looseness. It rattled after the manner of a New York milk wagon on the cobblestones, but it was a bicycle, and it was a home production. Many of these traps are still in use among the Japanese and the old-style tricycle is not entirely ignored. The modern rubber tired bicycle is much affected by the foreigners in Tokio, Yokohama and Kobe. Nearly all the clerks in these cities ride to and from business on their wheels. The narrow streets, filled with pedestrians, playing children, carts and jinrickishas are a great drawback to riding in the cities, but the country affords fine sport.

The road from Tokio to Yokohama is well patronized by the wheelmen on Sundays. It is a mistake to suppose that the roads in this section of Japan are especially adapted to bicycling. They are narrow and uneven, and many of them are covered with bits of flinty gravel, which are severe on rubber tires. In the southern portion of Japan I have seen many miles of the loveliest highways in the world for wheeling. They are constructed on heavy stone masonry and are as smooth and as solid as any viaduct.

The Japanese are now manufacturing a light, rubber-tired bicycle which sells for about one-half the cost of an American or English wheel. It lacks durability and finish. In Yokohama a number of postmen use these wheels and a few of the police inspectors have them. The bicycle factory in Yokohama is quite an ambitious affair, and there is in one part of the town a training school largely patronized by Japanese youth. Our Minister Dun, who weighs something more than a barrel of flour, is now using a bicycle as a sort of health lift, and there is not a legation in Tokio that cannot boast of more than one bicycle. The ladies take to cycling slowly. Foreign women here are very circumspect. Both Yokohama and Tokio are seething with gossip. The woman who oversteps the lines of propriety stupidly established by the English "society leaders" is immediately tabooed. It has not been definitely settled as yet that bicycling is just the "propah thing" for ladies. I learn that not more than a dozen women in all Japan have taken to wheeling. I have only seen two in the actual enjoyment of wheels, and I do not care particularly if I never see another, for these were what are familiarly known as "sights." A number of English and American manufacturers have agencies here, and the demand for bicycles is increasing. The jinrickisha men despise the wheels and look upon them with something of the distrust and contempt that our railway navvies once entertained for the newly invented steam-digging machine. I am glad to say that it is very generally admitted by wheelmen here that the American machine eclipses all others in this market.—*John A. Cockerill in New York Herald.*

The Palmer Hardware Co., Rockford, Ill., at the annual meeting decided to change the name of the company to the Clark-McKinney Co., and it was also decided to reduce the capital stock from $24,000 to $20,000. John L. Clark was elected president of the company and Frank McKinney secretary. The year has been a very satisfactory one to the stockholders.

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"Hop's" Corner.

How natural it is, in these bustling, driving days for high pressure business, to "jump on" one of your subordinates for the most trivial oversight or neglect. Sometimes it is a matter of very little moment, and scarcely involving a money value sufficient to make it possess a moment's interest; but notwithstanding these extenuating circumstances, the young man is made to feel how terribly lax he has been, how utterly valueless his "three dollars a week" services will eventually become, if this criminal carelessness continues. And all this is done in the interest of discipline! The culprit feels as though he wouldn't dare to ask an advance of a dollar a week in his salary for six months to come, he is made so painfully conscious of his unfitness for a commercial future.

And yet, if we were only frank and candid enough to make the avowal, we could all of us confess to some fearful "bulls" we made when we were in our 'teens or early twenties.

I'll never forget the $1200 bill I had charge of when in the third year of my connection with the Hardware business. I was considered safe enough to be entrusted to attend to everything belonging to the getting out, charging up, and shipping of a bill involving one thousand dollars and over. It was my business to have added to the bill when charging it, a charge for "insurance" which was always a specified rate for certain routes, and was made part of the invoice, ten per cent. being added to the total of the invoice, to make the amount, which was then entered into our insurance book of the "Atlantic Mutual;" the book sent to the office to ascertain the proper rating, endorsed by the president, and then the goods might reach their destination or not, for all we cared.

A great many—in fact, nearly all, of our western bills to Lake Michigan and Lake Superior trade, were shipped by "railroad to Buffalo," whence they took a steamer "around lakes" to destination, which made insurance doubly desirable, as scarcely a year passed but that a steamer went down. Consequently a large bill being fully insured, had to be duplicated "in a rush." Well, this especial bill of which I speak was entered up all right, adding the well-known rate for insurance. Invoice sent promptly, but the act of insuring—viz.: entering it into the insurance book in the usual manner, was neglected, and I never thought of it again for a whole week. In fact, I was at "Burton's old Theatre" in Chambers Street, where the building of the American News Co. now stands, and where I used to love to resort on Saturday nights, when some farcical remarks about insurance forcibly impressed my mind with my own sin of omission. The comedy possessed no further amusement for me; my "bad quarter of an hour," as the French would say, was lengthened to thirty-six hours before I could even attempt to repair the damage, and I couldn't tell during that time whether I should be able to retain my position in the store by getting out of this hole quietly, or lose it and my hold on the Hardware business forever by being compelled to confess my negligence.

But Monday morning came around at last, and when Dick Hawkshurst came to open the store doors, he found me on the stoop waiting for him, so anxious was I to get that insurance book. I entered up the amount of insurance, $1241—how well I remember it!—dating it back a week, and with the book in my hand and my heart in my throat, I started for the insurance office, where, of course, I arrived about the time it was being swept out by the colored porter. The first clerk who arrived, in response to my nervous questioning, informed me that the president wouldn't be there yet for an hour. As it was "a condition, not a theory that confronted me," it was no use of my returning to the store. I wanted to know my fate, so I just waited, when, about 9.30, an elderly gentleman with pleasant features, entered the president's private office, and the cashier, by a nod of his head, indicated that was the individual I was so impatient to interview.

With my book under my arm, I bearded the aged lion in his den. He seemed somewhat surprised at my early visit, but I soon apprised him of my troubles, and in the light of subsequent events, I give him credit for making the negligence on my part an elegant object-lesson for my future. "What," said he, "do I understand you to say, you protected the customer's interest by entering the insurance on his invoice, and thus forgot your employer's interests by failure to complete the insurance? Young man! the cashier who fills out the stub of his check *after* he has made out the check, is as lacking in business qualifications as you seem to be. This is a dreadful thing! Fully a week has elapsed, and the vessel on which these goods were transferred at Buffalo, may possibly even now be resting on the bottom of Lake Erie—(so much stormy weather as we have been having, too, lately," he said *sotto voce*, while the cold chills were playing tag down my spinal column.) "I will look over the bulletin this morning and see if I can find anything hopeful." And so the garrulous old gentleman's tongue ran on, every word creating a fresh fear in my heart; when finally, after pretending to examine numerous slips of maritime advices, he said: "Well, I can find no positive proof of loss, so that if you will faithfully promise me that you will never again fail to look after your employer's interest *first*, I will agree to sign the book." Of course, I readily promised, and the moment his initials were appended to the line on the insurance book, my grateful heart gave a mighty bound, and after profuse thanks, I ran all the way back to the store. Did I treat it as a good joke and talk about it all day with my fellow clerks? I did not; and I am free to confess, the worthy president's method of conveying instruction bore good fruit, for the Hardware business was spared my abrupt departure, and I was never caught as badly as that again.

"Hop."

A Paper of Tacks.

When in doubt, tell the truth.

Clerk and shirk may rhyme, but they don't sound well together.

The young man who knows only a part of it, learns more than he who knows it all.

Try and think as much about business when out of the store, as you do of your pleasures when in the store.

There was a cigarette-smoking clerk who once became proprietor, but it was by accident.

If you spend every cent you earn, you won't wear out shoe leather in going to the savings bank.

If you must smoke while at business, do it under the nose of the "boss," and not in the basement. You will the sooner learn what he thinks of you.

Constant abuse of those under you will strengthen your lungs at the expense of your manners.

The boy who lies to get out of a scolding, must be a good dodger.

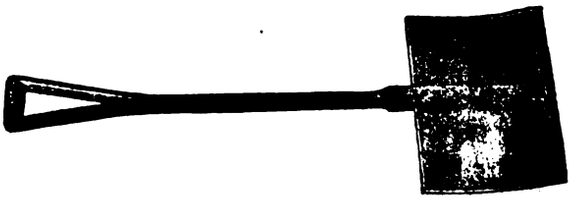
The Columbiana Handle Factory, Columbiana, Ohio, has been sold to Shilling & Co. for $1800. The purchase includes the buildings, machinery, lots, stock and accounts, and represents about $100 for every $1000 originally invested. It is not definitely decided yet what will be done with it, but it is probable that a partnership will be formed and the business continued.

HARDWARE costs only One Dollar a year.

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Phillips' Snow Shovels.

The A. J. Phillips Co., Fenton, Mich., who long since made their names synonymous in the minds of the trade with Wire Screens, are gradually gaining the same distinction in connection with Snow Shovels. They are making for this season all their previous makes, and also a new one which is illustrated in this connection. It is the "all wood," of which the makers say: "It is a new form of an old Eastern pattern shovel which some of our customers



have asked us to make. In this form of Snow Shovel the idea is to secure as much of a scraping edge as possible, the shovel being intended for use after a light snow storm. The advantages that we claim for our adaptation of this pattern are as follows: The blade is one piece of lumber instead of in several pieces, as they have heretofore been made. The handle is not bent, but is sawed to fit the curve of the blade. This prevents the shovel from straightening, as it is apt to do when the handle itself is bent to conform with the curve of the blade. The steel plate shoe is of unusual width, to enable us to attach the handle directly to the plate, for the purpose of giving the utmost strength. It will be seen that what we have aimed to do is to produce this old pattern of Snow Shovel in a much stronger and better form than it has been made heretofore." The company will be glad to send information concerning these goods, or their Wire Goods line.

New Weir Plow Works.

The ground plans of the buildings of the Weir Plow Co., to be erected at East Moline, Ill., have arrived. The buildings will be erected in three lines on ground measuring 1000 feet long by 550 feet wide, with three railroad tracks running by the side of and through them. The list of buildings is: Warehouse, 80x700; plow paint shop, 60x250; general paint shop, 84x165; erecting room, 75x224; plow stocking room, 60x60; grinding shop, 60x98; casting grinding shop, 42x75; fitting shop, 60x98; blacksmith shop, 60x252; wrought iron and steel stock room, 60x70; wood shop, 75x112; machine shop, 75x84; rattling room, 56x75; foundry, 75x196; boiler room, 50x80. Beside these are two engine rooms, storage building for cast and malleable fittings, bolts, washers, etc., pattern shop, fire-proof pattern vault, storage buildings for sand, coal, coke, oil and paint, and an office building 50x80 feet. The office building will be two stories high, and all the others one story, built of brick and costing in the aggregate about $75,000.

Test of the Krag-Jorgensen.

In the killing of the deserter Coffey at Fort Sheridan the United States army has its first practical test of the new Krag-Jorgensen rifle. The effectiveness of the terrible arm will scarcely be questioned. At fifty yards the nickel-plated conical bullet passed through the head of the victim, through a live tree eight inches in diameter, and thirty yards beyond, buried itself three feet into the hillside. The dead man's skull was shattered until only the scalp preserved its shape.

The Krag-Jorgensen rifle was designed in the paradoxical spirit of humanity toward man. This unavoidable but successful test at Fort Sheridan suggests that if the weapon is to be accepted, because of its clean-cut destructiveness, there may be, in the future, a new distance-line established at which armies shall engage in action. The horrible shattering effect of the bullet in Coffey's brain was due to the close range at which he received it. It is only beyond 400 or 500 yards that the steel-capped bullet adjusts itself to the effects of rifling sufficiently to cut a clean wound. Manifestly, then, two armies engaged with the Krag-Jorgensen gun at less range than this are, by force of interence, guilty of barbarism. At greater range the chances of war are perhaps greatly in favor of human targets escaping scot free.

Aside from speculative results this new weapon in the hands of men in garrisons contiguous to civilization is not reassuring. Target-range practice, chance firing by guards, as in the case of Coffey, and the chances of accidental discharge of these terrible weapons give no one absolute immunity for many miles around a government post. Even in the mountains of Colorado protests have been made against target practice which, with this new arm, is endangering the lives of miners in the hill country. It may come to be questioned if the government is justified, especially in settled communities, in using such a weapon in arming garrison guards.—*Chicago Record.*

The Keenedge Skate Grinder.

The illustrations accompanying this are of the Keenedge Skate Grinder, being placed upon the market by Charles Perkins, Bridgewater, Mass. It is an article that has been in use long enough to demonstrate its usefulness. The maker explains that "with this machine a boy or inexperienced person can grind skates faster and better than an expert in the usual way. The Holder can be used on any

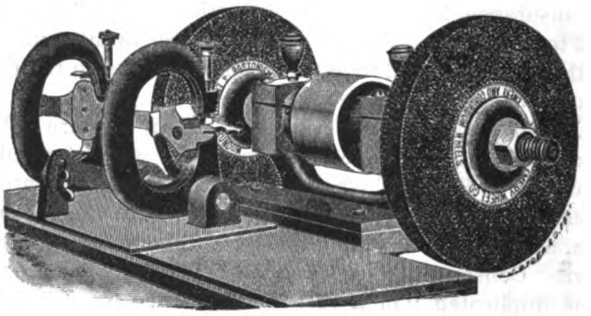


FIG. 1.—COMPLETE MACHINE.

emery grinder, by attaching a plate to the grinder at such a height as will bring the skate nearly opposite the centre of the wheel. It will grind square or high on either edge as may be desired; 6 to 10-inch wheels of No. 40 to No. 60 emery should be used." He further adds: "By using this Holder, anyone, whether experienced or not, can grind skates perfectly. I make a grinder with two wheels, as shown in cut, one coarse and one fine; or a lighter grinder with one wheel. They are designed to be set on a bench, and will be found useful for any kind of grinding. I also

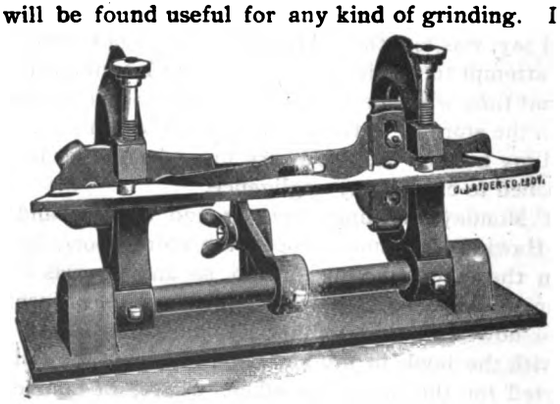


FIG. 2.—SKATE HOLDER.

make a foot power grinder of new design which can be carried about and used anywhere. These machines are thoroughly made and warranted to give satisfaction, and are sold at very low prices. The Holder can be used with any grinder by attaching a plate of iron or wood in front of wheel, as shown in cut. I give a liberal discount to the Hardware trade."

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RECENT TRADE PUBLICATIONS.

"The Boys Have Something to Say About Dixon's Pure Flake Graphite" is the suggestive and comprehensive title of a neat monograph just received from the Joseph Dixon Crucible Co., Jersey City, N. J. It demonstrates the usefulness of this great product in connection with railroad work. "While some railroads," say the publishers, "have used Dixon's Graphite for many years and many master mechanics and engineers are fully aware of its economy and usefulness, we have not until quite lately attempted to bring it more fully before railroad officials and engineers. Lately we have been sending samples to engineers, and the letters and extracts will show how useful even the small samples have proven, and the evident economy, and the saving of oil and dollars if Dixon's graphite should be generally adopted by railroad companies. The careful tests made by experienced locomotive engineers domonstrated most conclusively that Dixon's pure flake graphite is as necessary to a well equipped engine as an oil can or monkey wrench. For cooling or preventing hot pins and eccentrics, for lubricating journals in truck and driving boxes, for cylinders and for general use Dixon's graphite was found indispensable. It gave free and easy action to valve motion. Valves worked free and reserve levers could be held with one hand, even when full boiler pressure was used. The wear of link and valve motion was reduced to a minimum, and the hauling capacity and life of the locomotive greatly increased. It was also found that the engine would work two or three notches closer in cut-off, which effected a saving in fuel and water, and in cylinder and valve oil. Dixon's finely powdered graphite was used in preference to the regular brand for the check valves of air cylinders, for lubricating the equalizing piston of air brakes, for preventing 'squealing' of air pumps, and for all delicate or small parts, and for oil cups with feeding holes too small for the regular graphite. In descending heavy grades, when train has to be held and pump worked to full capacity, lubrication with Dixon's Graphite made a most marked and satisfactory difference."

The Iowa Farming Tool Co., Fort Madison, Iowa, are already in the field with their illustrated catalogue for the season of 1896. It is a handsome volume of near a hundred pages, prepared and printed in an excellent manner, and bound in a handsome combination of yellow and red. The frontispiece gives a view of their attractive exhibit in the liberal arts building, World's Fair, at Chicago, in which they secured three prizes. The book is filled with clear cut illustrations of their great line of goods, with descriptions and prices. The company, in connection with the presentation of this work, say: "Your particular attention is called to the changes in list prices of the main line of Wood and Steel Goods. By this revision each class of goods, and in some instances each particular article, will have its own separate and distinct range of discounts, thereby giving each article its own correct selling price. Our hope is that these changes will lessen the undue, and sometimes unfair competition which has prevailed in the past. For snaths and cradles we invite your orders, asking that you send them through the National Snath Co., of Erie, Pa. For steel goods please send your orders direct to us. Our last season's trade exceeded the previous year 25 per cent., and encouraged us to enlarge our plant by additional machinery and a floor space covering more than twelve thousand feet. We are confirmed in the belief that it pays to make good goods."

The Samuel Winslow Skate Mfg. Co., Worcester, Mass., have issued a small but handsome catalogue of their 1895–6 line of Ice Skates. It is artistically printed in colors, with a skating scene upon the front cover, with illustrations of their factories on the inside. Their various lines of skates are also shown. A cipher telegraph code is also provided, so that orders may be sent promptly at the least possible expense. Especial attention is called to two important features, as follows: "Our line of skates offered to the trade for 1895 will have Winslow's New Adjusting Plate, for extending and contracting the heel and toe clamps. This is the simplest and most effective contrivance ever invented for adjusting skate clamps. It is simple, light, quick and strong. The steel used in this adjusting plate is our high grade crucible spring steel, tempered and specially rolled for the Samuel Winslow Skate Mfg. Co. We advise all buyers and users of skates to consider this fastening before purchasing skates made with the old fashioned screw attachment. We desire to call special attention to Winslow's Three-Ply Welded Iron and Steel Runner Stock, from which we make the runners of our Nos. 13, 15, 17, 53, 55 and 57 Skates. This stock is made in three layers. The two outside layers are hardened to the highest possible degree. The middle layer is very soft and is the first to wear off. The result is that the outside edges are left sharp and we have a bona-fide shelf-sharpening skate runner."

The Gilbert & Bennett Mfg. Co., New York, Chicago, and Georgetown, Conn., have just published their catalogue No. 133, which gives full description and illustration of their new line of Flower Pot Stands, some samples of which are fully described and illustrated elsewhere in this issue. The stands themselves and all their details are shown by illustrations in the little book referred to. In a note of description the company say: "Every merchant who considers the annoyance and often loss that attends the trade of other wire stands will regard these with satisfaction. They are carried at a low freight rate; will not be damaged in transit; occupy small space; always protected from dust; sales can be made from samples, and in many cases the stand can be delivered to the customer as originally received, who will not object to the slight task of unpacking and connecting the parts at his own home. In every detail, ample strength, beauty and utility of design, attractive and durable finish have been studied and incorporated in each stand to the end that they shall be satisfactory to the ultimate purchaser and practicable and profitable for the merchant to regularly keep in his warerooms."

The Anthony Wayne Mfg. Co., Fort Wayne, Ind., and St. Louis, Mo., who are everywhere known among the leading Washing Machine manufacturers of the country, have issued a neat and attractive catalogue of their lines of Washing Machines, and Self-Measuring Oil Pumps and Tanks and Syphons. Upon the front cover is an illustration of their extensive works at Fort Wayne, while on the back cover is shown their factories at St. Louis. Their products are thoroughly illustrated and described. Among the leading lines shown are the Wayne Combination Washer, Western Star Washer, Anthony Wayne No. 1, No. 2 Anthony Wayne Washer, Wayne American Washer No. 5, Western Self-Measuring Oil Pump, cellar tank, oil tank, etc. In a note the company say: "We have the pleasure of presenting herewith our Annual Catalogue, embracing the different styles of Washing Machines and Self-Measuring Oil Pumps which we manufacture and sell. We shall be pleased to quote net prices on the same to dealers only, upon application, and we believe that it will be to

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your interest to obtain our price and examine our goods before placing your orders elsewhere."

Sickels, Sweet & Lyon, No. 35 Barclay Street and No. 40 Park Place, New York, wholesale dealers in Hardware, cutlery, farm and garden tools, etc., have issued the fall edition of their 1895 catalogue, No. 10, a supplement to their spring edition, No. 9. The company explain, as heretofore in these regular publications, that "this Catalogue is not intended to represent our full line, but is issued every spring with a Supplement in the fall, more especially to call attention to seasonable goods, our specialties, and lines for which we are New York agents. We solicit, as heretofore, your correspondence for general Hardware, etc. We are also pleased to buy for our customers any goods that can be purchased in this, the greatest market of the country—in order that their purchases may be condensed and shipment of various items made together, thus saving expense and trouble." It is needless to say that the catalogue fully covers everything that can be enumerated under the headings above named, and is one that will find timely use in the hands of any dealer.

"The Architects' Directory" for 1895–'96, containing a list of the architects in the United States and Canada, classified by States and towns, giving the architectural associations to which they belong, has, the publisher states, been prepared with great care to secure accuracy of both name and location. It is published by Wm. T. Comstock, No. 23 Warren Street, New York, bound in red boards, gilt title, 16mo., price $1. In comparing this directory with the last year's issue a great multitude of changes are noticeable. The course of the last two years of dull business has had a marked effect on the profession of architecture. In the West, especially, the change has been great; many towns that had several architects to-day are unrepresented. Lack of business has compelled practitioners to seek other fields or different lines of employment. The list, by the many changes made, shows careful revision and an earnest effort to obtain the utmost accuracy.

Among the advance couriers of the bicycle season of 1896, there comes from the Julius Andrae & Sons Co., Milwaukee, Wis., a handsome little book which the title upon the artistic colored cover fully describes: "Full of Good Things." No other name would have done so well. On an inner page is this further explanation: "Something interesting to read; to while away a pleasant hour; to incidentally learn something about cycling, its pleasures, its healthfulness, its usefulness. The rhythmic motion and the fascination of it to the gentlefolk; teaching beginners to control the bicycle; an academy for that purpose; about Andrae Cycles which have never been known to disappoint." A great many attractive illustrations and some interesting reading matter follow. Then come descriptions of the Andrae Bicycles for 1896. It is a specimen of modern wheel literature that is worth sending for and preserving.

The Maryland Bolt & Nut Co., Baltimore, have issued a catalogue showing their full lines of bolts, nuts and washers of every description. These articles are not only illustrated, but the labels are printed in colors throughout the work, making a very attractive feature. The company say that their facilities for the production of high grade work are exceptional, as their factory is extensive, and fitted throughout with the most modern and improved machinery. They add that they use first-class merchant iron, and that their product will equal any in tensile strength and finish. They invite correspondence, and will take pleasure in quoting prices on their goods.

The Marion Tool Co., Marion, Ohio, have published a catalogue of the goods manufactured by them, among which are shingling hatchets, half hatchets, claw hatchets, boys' handled axes, adze eye nail hammers, farriers' hammers, tack hammers, tinners' snips, etc. The company say: "In presenting this Catalogue, we take pleasure in calling your attention to our several specialties. Our goods are all made of solid tool steel, they have a special temper and are warranted. All handles are first-class second growth hickory. We have by illustrations and descriptions endeavored to make everything plain, but we shall be glad to furnish further information when desired. We are enlarging and improving our plant, and having good shipping facilities, we will be able, in the future, to promptly fill all orders."

Under date of August 15th, the A. Tredway & Sons' Hardware Co., Dubuque, Iowa, have issued their fall circular No. 16, a work of some fifty pages, bound in colored covers, and thoroughly illustrating their large lines of Hardware, blacksmiths' supplies, tinware, cutlery, ammunition, etc. They call special attention to their list of "Wizard" specialties, which are special brands of hand tools manufactured for them only. They guarantee that any article of the "Wizard" brand will be found first-class in finish, quality and desirability of pattern. Almost everything that could be thought of under the above headings is illustrated in their circular.

The Lufkin Rule Co., Saginaw, Mich., are sending the trade a neat and comprehensive catalogue of their Measuring Tapes. These are all illustrated, so that the dealer can see at a glance just what each article is. Sizes and prices are given in full. Among the articles enumerated are their "Reliable" Steel Measuring Tapes, "Reliable" Frame Steel Tapes, Paine's Pattern Steel Tapes, "Rival" Steel Measuring Tapes, Pocket Steel Tapes, Metallic Measuring Tapes, etc. The goods turned out by this house have long since acquired a standard reputation in the market. Send for a copy of the catalogue.

John Stortz & Son, No. 210 Vine Street, Philadelphia, have issued a price list and illustrated catalogue of oyster knives and oysterman's tools. It seems to cover the field entirely. In a note they say: "We have been established over forty years, during which time we have made a specialty of these goods, and besides a knowledge of the requirements of the trade in various sections of the country, we have, by careful attention to every detail and long experience, been able to produce a line of oyster knives unexcelled for their superior quality and style."

The Lockwood-Taylor Hardware Co., Cleveland, Ohio, have issued a very complete catalogue of fifty-seven pages for their cutlery department. It contains illustrations of razors, pocket knives of all descriptions, table knives and forks, carving knives and forks, butcher knives, hunting knives, skinning knives, butchers' steels, scalloped edged knives, bread knives, cheese knives, kitchen knives, putty knives, and a full line of scissors and shears.

"Ten to One They'll Sell" is the catching little headline upon a leaflet sent out by W. C. Heller & Co., of Montclair, N. J. This describes their Heller Mail Boxes, which have become known in all parts of the country, and upon which Hardware dealers who have handled them have had large sales, accompanied by good profits. They also illustrate their Grip Wire Stretcher, which they manufacture.

The Asbury-Paine Mfg. Co., Trenton, N. J., have published a handsome and unique monograph describing and very fully illustrating their Self-Pouring Coffee Pot. The cover contains several artistic illustrations in colors. The little book is very attractive, and gives a great deal of useful information touching this new and successful article.

"Nail Philosophy" is the title of a neat little document sent to the trade by Patterson, Gottfried & Hunter, Nos. 146–150 Centre Street, New York. It contains a reading of character from the finger nails, with incidental suggestions touching the lines of goods carried by the house.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

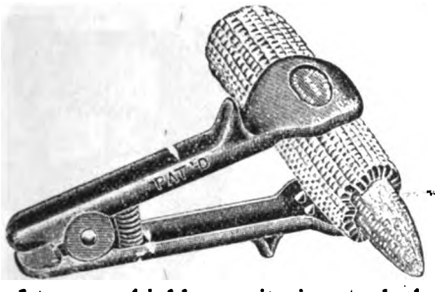
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Quick and Easy Corn Sheller.

The Star Mfg. Co., Canton, Ohio, are offering their quick and easy Corn Sheller in an improved form, as here shown.



It is referred to as a highly meritorious tool, the result of practical experience necessary for the requirements of a first-class article. It is claimed that it "will shell corn from a flat, or round cob, and, if desired, from the centre for seed. It works on a new principle, so easily that a bushel of corn can be shelled in ten minutes. It will not clog or choke, is light, substantial, well finished, and retails for fifty cents, with discounts to the trade. A more desirable article, or one that sells more readily at this season, and gives better satisfaction, with little outlay, has never been offered the trade." Write the above firm for particulars.

New Carpenters' and Tinners' Snips.

The Herbrand Co., Fremont, Ohio, are placing on the market two new styles of Snips for carpenters' and tinners' use. The blades of the carpenters' snips, Fig. 1, are fastened by a milled tubular rivet, no bolt being used, which

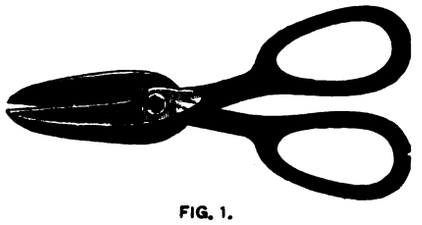


FIG. 1.

leaves an unobstructed surface on both sides, making them well adapted for cutting around valleys and flashings. In other respects they are like the tinners' snips, but are made in one size only, 7½ inches in length, 2½-inch cut, a convenient size to carry in a hip pocket. The tinners' are made in four sizes, 10, 11, 12 and 14 inches, with 2½, 3, 3½ and 4-inch cut, respectively. They are forged from solid

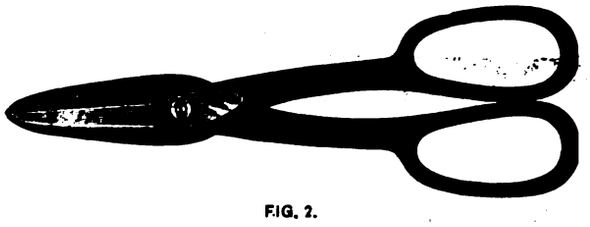
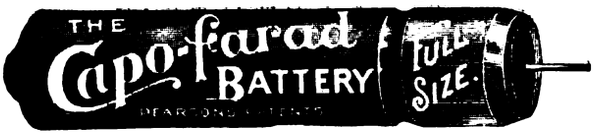


FIG. 2.

steel, faced full length of blade with cutlery steel. The method of fastening the blades is a more satisfactory one than the old style bolt and rivet, being a combination of sleeve and bolt, but simple and effective and reducing to a minimum the tendency to become loose. The goods are nicely finished and packed in boxes.

The Capo-Farad Battery.

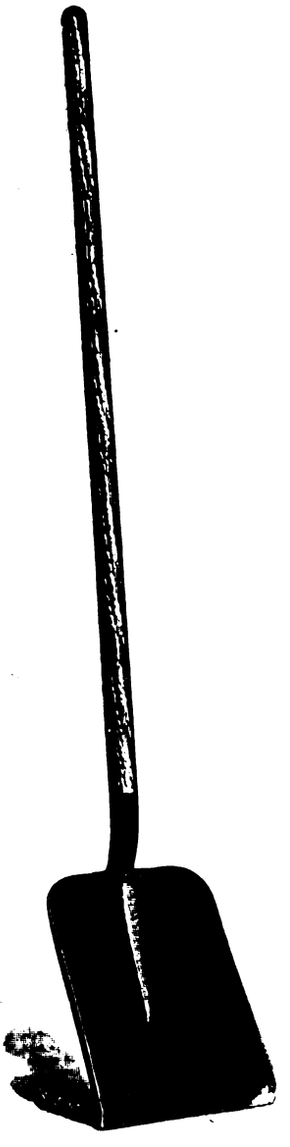
Jas. J. Pearson, No. 27 Thames Street, New York, has recently invented and patented a battery which he states that for extremely small weight and dimensions, high power and longevity, eclipses all previous attempts in this direction. In appearance it is a cylinder of zinc 11-16 inches in diameter and 2¾ inches long. A hand drawn



silver wire protrudes through the hermetic sealing of one end, and is one electrode, the other being any part of its case or shell. It is called the Capo-Farad. One cell has a voltage of 1.20 with an amperage of 2.00. It is further stated that one will ring an ordinary door bell for over one and one-half years, or explode a mine through a detonator at 130 degrees an indefinite number of times, or work an ordinary household medical battery for 100 continuous hours. Two arranged in a tube with a spark coil make a portable gas lighter with an efficiency of 360,000 ignitions. Eight in series light a 1-C. P. incandescent lamp, and each cell weighs one and one-half ounces, and can be mailed under a two-cent stamp. The uses for high power in such extremely compact and ready form are practically universal. Mr. Pearson guarantees his manufactures to each consumer.

Wyoming Snow Shovels.

Very timely articles at this season of the year may be found in the line of Snow Shovels being successfully placed upon the market by the Wyoming Shovel Works, Wyoming, Pa. A sample of these goods is here shown. The company say: "In presenting our Snow Shovels to the trade, we are confident of supplying a long-felt want. A strong, steel shovel, correct in shape and of comparatively light weight. This Shovel is serviceable not only in removing light snow from smooth sidewalks, but in handling packed snow on rough grounds. Particularly is it adapted to railways. These shovels are made only in one size, and are finished black, unless otherwise ordered." Size: Blades, 11¾ inches wide by 14½ inches long. Total length of Shovel, 5 feet 3 inches. Price, $5 per dozen.



Diamond Wheels for Household Grinding.

The Buffalo Specialty Mfg. Co., Buffalo, N. Y., are introducing a specialty in the form of a Diamond Wheel for household grinding. The company state that the wheel is made of iron, handsomely finished in enamel and gold, and an ornament to the finest machine. The grinding surface is composed of crystal carborundum, such as is used by jewelers and in dentistry, which is put on to the iron surface by a new pro-

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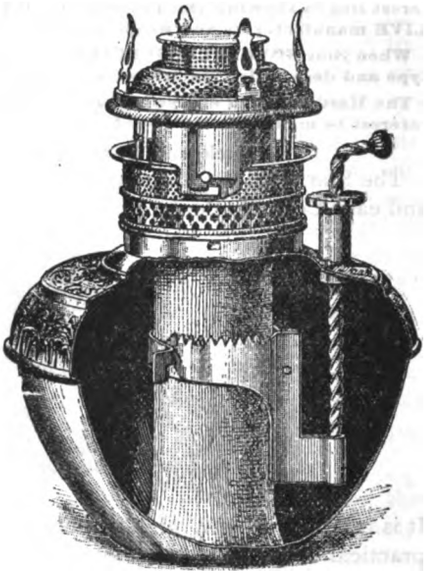
cess exclusively their own, "forming a beautiful, lasting, indestructible grinding surface that will not glaze, as is the case with emery, but cuts rapidly and smoothly, requiring but little pressure, and therefore will not heat and draw the temper of articles ground or polished. These wheels are easily attached to the balance wheel of any sewing machine, without the aid of bolts, nuts or



screws, or the removal of any part of the machine. The three pieces of corrugated rubber on the inside of wheel, as shown in the illustration, fit snugly over the balance wheel of the sewing machine, and being attached in three positions of equal distances, form bearings that are perfectly true, while the friction of the rubber keeps the wheel snugly in position, so that it cannot possibly come off, even if run at lightning speed. The two operations of attaching and detaching the wheel take but one second." The makers point out that the Diamond Wheels will grind scissors, bread knives, carving knives, mincing knives, fruit knives, cake knives, pocket knives, meat knives, cleavers, apple parers, ice shavers, manicure implements, can openers, screwdrivers, hatchets, chisels, jack planes, sickles, meat forks, lawn mowers, skates, needles, pins, cork screws, hat pins, awls, safety pins, darning needles, knitting needles, slate pencils and lead pencils. Orders for this useful device should be addressed to the company or to their Western representative, W. C. Brown, No. 45 La Salle Street, Chicago. Each wheel is neatly packed in an attractive case. Price, 75 cents.

Admiral Lamp.

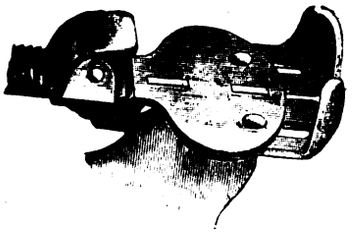
Holmes, Booth & Haydens, No. 37 Park Place, New York, have brought out the Admiral Lamp as here illustrated. The wick lift has a threaded draw bar with wheel nut, so that a choice of two movements is offered for raising or lowering the wick. It can be accurately adjusted with a positive motion by turning the wheel nut or raised and lowered instantly by means of the draw bar. In rewicking the toothed spring wick holders are forced apart, permitting a new wick to be slipped over the tube. The chimney gallery, in addition to being an ordinary lift gallery for lighting, has a double bayonet catch by which it



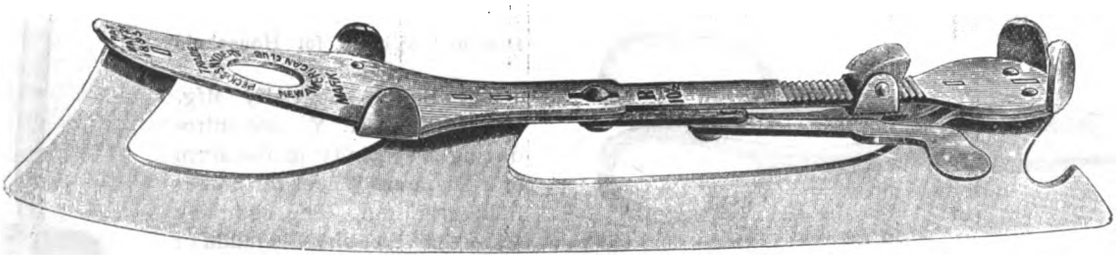
may be entirely lifted off for cleaning. This burner, it is said, is employed in all the manufacturers' lamps of this season's production.

New American Club Skate.

A. G. Spalding & Bros., No. 126 to 130 Nassau Street, New York, have recently brought out Peck & Snyder's New American Club Skate for the season of 1895, as shown in the accompanying illustrations. The leading feature of this skate is an entirely new heel clamp that will accommodate itself to any heel instantly. There is no screwing or adjusting necessary. After placing the skate in contact



with the heel and sole of the shoe, the clamp is pushed over the ratchet until it rests against the forward part of the heel, when bringing the lever back holds both sets of clamps rigidly against heel and sole, so that slipping is said to be impossible. Its extreme simplicity is the characteristic most strongly emphasized by the manufacturers. The skates are offered in five grades, viz.: Nos. 0, 00, 1, 2 and 4, ranging in finish from rolled steel bright to the finest quality highly polished and nickeled.

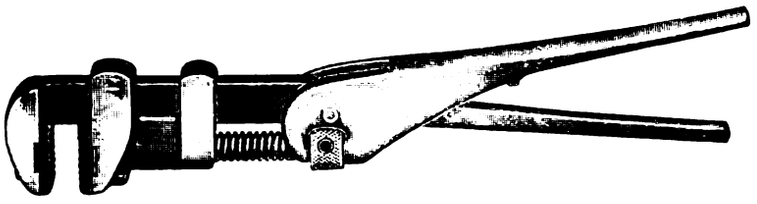


The Wright Wrench.

The Wright Wrench Co., No. 28 Bellevue Street, Worcester, Mass., are manufacturing a line of wrenches that

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have been most successfully welcomed by dealers and users. The points which most readily commend themselves may be understood from a glance at the accompanying illustration. The makers especially recommend them for steam



fitters and plumbers. The material is carefully selected and is of the best character, and a great deal of care is taken in their manufacture. The company will be pleased to send detailed description, prices, etc., to all who may be interested.

Sand Trap.

Blumer-Doscher Mfg. Co., No. 315 Greenwich Street, New York, are marketing an improved Sand Trap, as shown in the accompanying illustrations. This contrivance is designed to intercept and retain sand raised with water in driven wells and to prevent injury to valves and other parts of the pump. Fig. 1 is a sectional view of the trap. The circular portion is 6 inches in diameter, outside measurement, and the pipe below to catch the sand is 6½ inches in length. There is a brass deflector plate, with four projections to hold it in position, allowing the water to be raised on all sides, while a discharge lip in the plate on the lower side leads the sand into the trap, the plate being at an angle of 45 degrees. Above the brass plate is a fine brass gauze screen which prevents the sand going above it, the downward stroke of the pump causing the sand to run down the incline into the trap. The gauze screen above the plate is placed between two washers, and when the cap is bolted down is kept rigidly in position. The position of the trap is such that it is easy to remove occasionally for cleaning out. The trap is also recommended by the manufacturers for use in connection with hand or steam pumps.

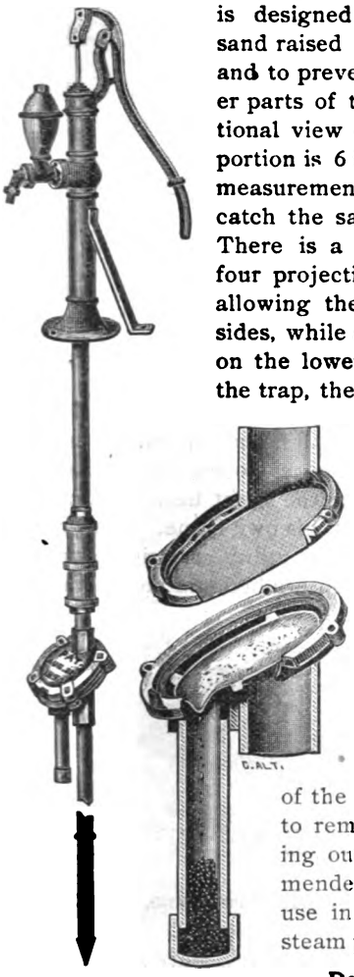


FIG. 2. FIG. 1.

Detonating Burglar Alarm.

John T. Ryan, No. 96 Chambers St., N. Y., is having manufactured the Sure Burglar Alarm, as represented in the accompanying illustrations. Fig. 1 shows the alarm full size. It is made of iron and steel, nickeled, and is charged with a .22 calibre blank cartridge, which is fired by the action of the lever releasing a spring hammer when door or window is opened. When not in use the hammer is locked securely down by an S wire hook. The lever is reversible, so that it may be attached to doors swinging either right or left. When placed on the window

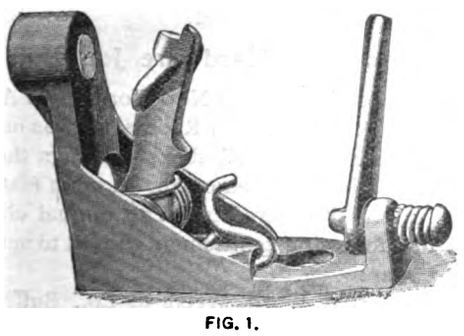


FIG. 1.

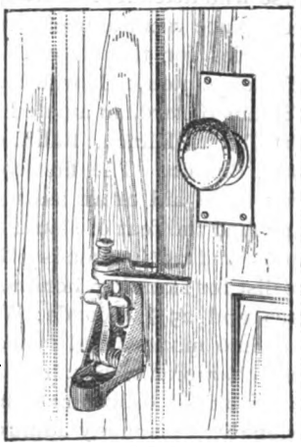


FIG. 2.

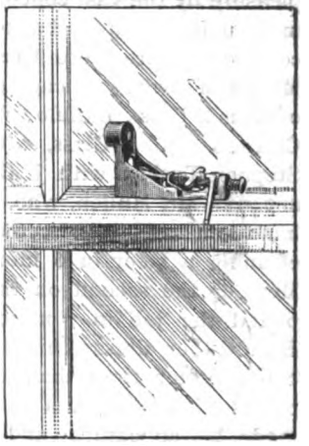
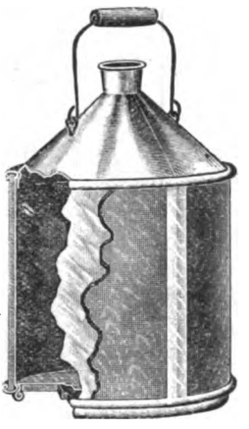


FIG. 3.

sash neither sash can be moved without giving an alarm. The point is made that being small and attractive in appearance, it does not disfigure door or sash, while the explosion of the cartridge not only awakens the household, but deters would-be thieves from going further, knowing their presence has been announced.

Utility Shipping Packages.

The Utility Mfg. Co., Milwaukee, Wis., are manufacturing Wood Jacketed Tin Cans as herewith illustrated. A portion of the covering is broken away so as to show the method of construction. The manufacturers say that although wood jackets are not new, their method of construction is a new departure. The body of the can, both top and bottom, is broadly flanged. The top and bottom are then placed in position and firmly clamped by a band extending around the body. The wood veneer is then placed around the body and in the bottom and the flanges curled over and down upon the veneer, holding it firmly in position, so that it is impossible for it to become broken or loosened in any way. This gives the can great rigidity and strength, makes a very neat and handsome finish and insures great durability. The joints, which are all soldered, are plainly in sight and can be mended if necessary. The cans, though light, are very strong and will stand harder usage than wooden pails, while the tin lining protects the contents.



We have received from the Brooks & Denton Co., New York, publishers of music, a very attractive sheet containing a descriptive waltz song and refrain, entitled "The Golden Rule." It is dedicated by John Queen, the author, to John E. Gaitley, of the Troy Nickel Works, Troy, N. Y. A portrait of a handsome little fellow adorns the title-page, and beneath it are the words: "John E. Gaitley, Jr." This dedication of this most excellent piece of music to a worthy leader among Hardware manufacturers of America, is a compliment to the trade at large.

George T. Sprake, for years buyer for the Hardware department of the Wyeth Hardware & Mfg. Co., St. Joseph, Mo., has tendered his resignation to take effect November 1st. Mr. Sprake will remove to Chicago, having associated himself with the Syndicate Hardware Co.

Incorporated: Waterloo Hedge & Wire Works, Waterloo, Iowa. Capital, $100,000.

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The Foster Tools Were Winners.

The Buffalo Retail Butchers' Association recently held a big barbecue, which occasion will long be remembered with pleasure by the vast concourse who attended. Perhaps the most unique contest that took place was the beef dressing contest. There were five entries for this event: M. F. Mullen of Swift's Chicago (the champion); George Metzger of Klinck Bros., Buffalo; William Hazard, an amateur from Chicago; John Glass, with Christ. Klinck, Buffalo, and Stephen Tusher, with J. Dold, Buffalo. The first contestant was Mr. Mullen, who, with the aid of an assistant to hand him tools, etc., accomplished the feat of skinning and cleaning a steer in 6 minutes and 25½ seconds; George Metzger the second on the list for skinning honors, completed the job in 7 minutes and 25½ seconds; William Hazard then dressed his steer in 6 minutes and 13 seconds, being better time than the champion's, but he lost on points; John Glass, a slender lad of only nineteen then made his appearance and delighted his many admirers by beating all competitors in 5 minutes and 59 seconds. Mr. Glass used knives, steels, etc., manufactured by Foster Bros., for whom John Chatillon & Sons, Nos. 85 to 93 Cliff Street, New York, are sole agents.

"G. & B." Separable Flower Pot Stands.

The Gilbert & Bennett Mfg. Co., No. 44 Cliff Street, New York, No. 148 Lake Street, Chicago, and Georgetown, Conn., are now putting on the market a line of new Flower

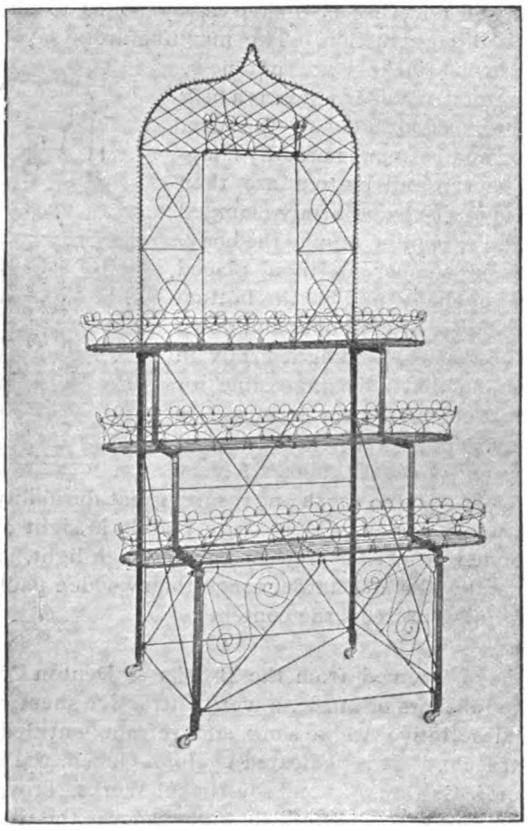


FIG. 1.—"G. & B." NO. 187 SEPARABLE FLOWER POT STAND SET UP.

Pot Stands. The parts are separable, so that the stands can be compactly boxed. They are making several designs, two of which are shown in the accompanying cuts. The frames are constructed of steel, "T" shape, which affords the greatest resistance from all directions, to which the shelves, braces and trellises are attached with clamps. Each stand is shipped in a separate box. It can thus be preserved in good condition, and none of the parts will be mislaid. From the fact that the Stands can be stored in boxes, which affords protection from dust, it is possible to complete them weeks in advance of shipment, giving ample time for the paint to become dry and hard. Every merchant who considers the annoyance and often loss that attends the trade of too many wire stands, will regard these with satisfaction. "They are carried at one-third the freight rate that is charged for stands set up and not

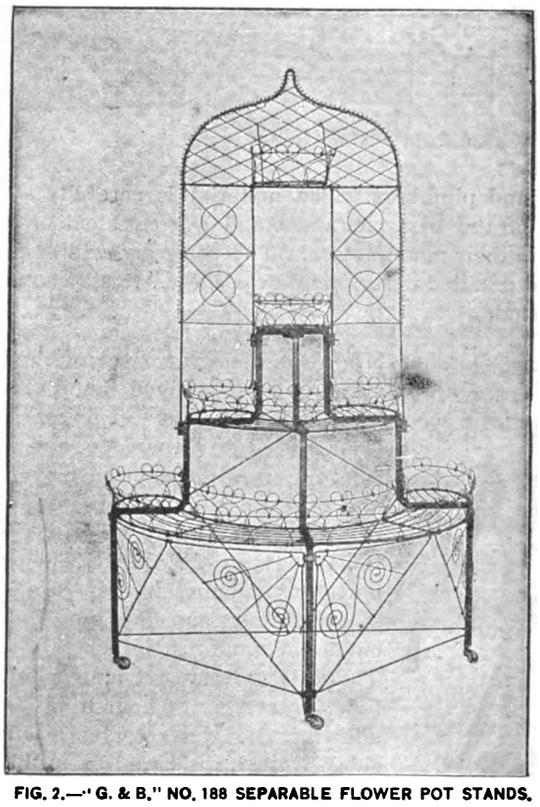


FIG. 2.—"G. & B." NO. 188 SEPARABLE FLOWER POT STANDS.

boxed; will not be damaged in transit; occupy small space; sales can be made from samples, and in many cases the Stand can be delivered to the customer as originally received, who will not object to the slight task of unpacking and connecting the parts at his own home. In every detail, ample strength, beauty and utility of design, attractive and durable finish, have been studied and incorporated in

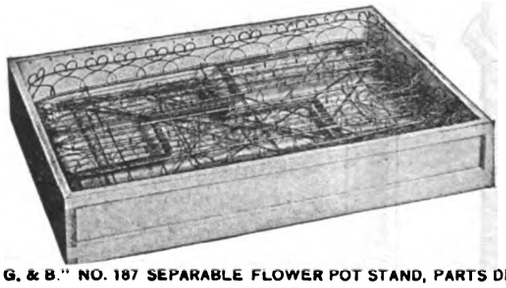


FIG. 3.—"G. & B." NO. 187 SEPARABLE FLOWER POT STAND, PARTS DETACHED AND BOXED.

each Stand to the end that they shall be satisfactory to the ultimate purchaser, and practicable for the merchant to regularly keep in his warerooms and thus supply his customers promptly. The company will be pleased to mail on application a descriptive catalogue, which gives full information."

New York Hardware Jobbers.

The annual meeting of the New York State Association of Hardware Jobbers, held in Rochester, was one more of the many pleasant and profitable gatherings that this important organization have enjoyed. A main feature under discussion was that of credits. The annual election was held, and the following gentlemen chosen to serve during the coming year:

President, Hobart Weed, Weed & Co., Buffalo; Vice-president, F. A. Barker, Barker, Rose & Gray, Elmira; secretary-treasurer, E. J. Weaver, Weaver, Palmer & Richmond, Rochester.

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ILLUSTRATED BICYCLE NOVELTIES.

Woodruff's Perfect Ammonia Gun.

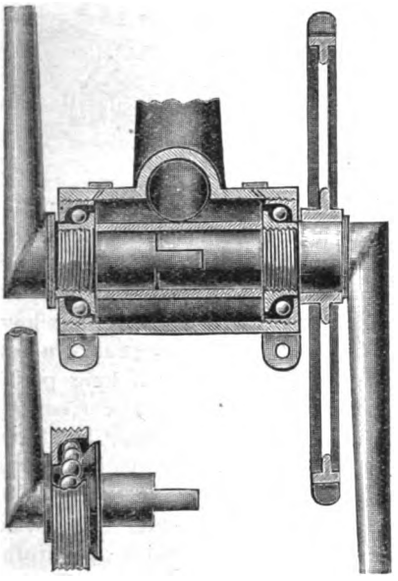
The Ammonia Gun shown in the illustration is one of the specialties manufactured by T. L. Woodruff & Co., Bridgeton, N. J. The manufacturers state that it is a perfect instrument in every way. The advantages enumerated for it



are: Positively will not leak, has no spring to press or caps to remove, and will shoot from five to twelve times for fifteen to thirty feet with one loading. It is intended for the use of wheelmen as a protection against dogs.

The Gard Detachable Crank.

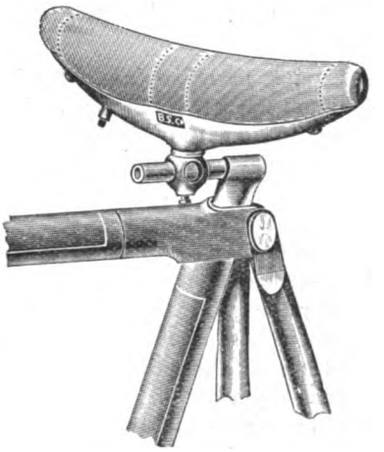
William E. Gard, No. 30 Park Place, New York, has invented a bicycle crank which is here illustrated. The Gard Crank consists of a divided shaft (attached to the arm) with outwardly facing bearing cones independently attached to each part of the shaft; and inwardly facing bearing cones which screw into the bottom bracket. By this construction it is only necessary to unscrew the outer cone, and you have removed in a twinkling from either side the crank with balls and bearings attached so that the balls cannot drop out. Some of the advantages put forward for the new Crank are as follows: Anyone can remove the crank with bearings, clean and replace them inside of five minutes without soiling the fingers, or the possibility of losing a ball or any part; the most narrow tread possible is to be attained; the obnoxious crank pin and almost equally vexatious retaining nut entirely abolished; the bearings on either side of bottom



bracket may be removed in a moment without molesting the other side or removing the chain; most simple yet most practical construction; thorough tests prove that strength and rigidity need not be sacrificed; individual variety and beauty of design may be indulged without changing the material advantages of the invention, and lightness and easy running are assured. Mr. Gard has made arrangements with the Southington Cutlery Co,, Southington, Conn., to manufacture and sell his crank, reserving to himself the right to license five concerns who manufacture their wheels complete. The device is patented in England, France, Germany and Belgium, besides the United States.

The Bunker Saddle.

The Bunker Saddle Co., Nos. 208 and 210 Lake Street, Chicago, Ill., have lately begun the manufacture of a pneumatic transverse saddle of great merit, which we illustrate herewith. The radical departure in this saddle over all others is that it is used in a transverse position instead of being ridden astride. This feature is highly recommended by physicians, as it precludes any possibility of chafing, weakening of the muscles or other injury to the rider. On account of the perfect freedom of knee action, nothing being interposed between the limbs, there is no friction or deflection of the muscles, and the riders of the Bunker saddle have developed great speed. In construction, the best of materials have been employed. The supporting plate and attachments are of steel, surfaced with copper nickeled.



The body portion is made of ooze calf skin, linen lined and secured between the supporting plate and an interior plate; this interior plate being padded on its inner surfaces, and firmly bolted to the supporting plate. An inflatable rubber case forms the air cushion. This is fitted with an inflating valve of standard size, and made to fit the various styles of tire pumps. The Bunker Saddles are made in several sizes, varying from 11 to 14 ounces, with attachments for fitting the various styles of seat posts. They are adapted for both road and racing purposes, the 11-ounce saddle being for track use and the 14-ounce for the road.

A Boom in Buffing Wheels.

"Business is booming, and we are compelled to run nights until 9 P.M., to keep pace with our orders, and we are adding new hands as fast as we can break them in."

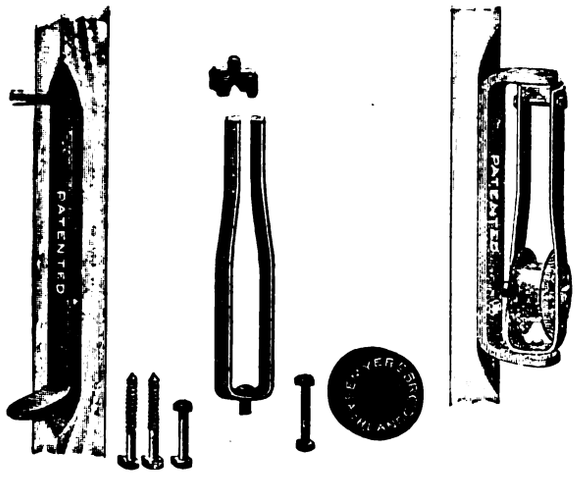
This was the pleasant statement made to a HARDWARE reporter by a member of the firm of Divine Bros., Chadwicks, N. Y., manufacturers of high grade Buffing Wheels. He continued: "I started on an Eastern trip about two weeks ago, and met with such success that I was obliged to come home after visiting about one-half the places intended, as we were swamped with orders until we did not dare to take any more. I struck one of the largest Hardware concerns in the East, was denied admittance to the buyer by an officious clerk, but on seeing him and showing the goods, was handed a 'sample' order for 1400 sections, without asking for it. In fact, F. W. Gesswein, our New York agent, No. 39 John Street, before making the deal to handle our goods, told us that it would be a genuine pleasure to sell such goods as ours, having become well-nigh discouraged with the buffs on the market.

"Our Ad. in HARDWARE was the best investment we ever made in the advertising line," said Mr. Divine in conclusion.

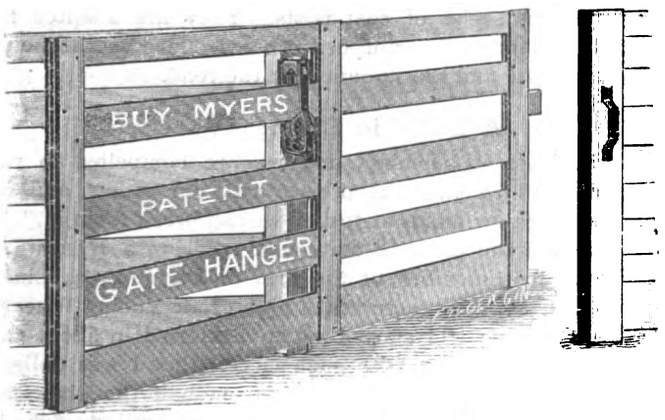
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Myers' Patent Farm Gate.

F. E. Myers & Bro., Ashland, Ohio, are placing on the market a new Farm Gate Hanger, which is a special construction, and, as the makers say, "a device that meets a long-felt want." A very good idea as to its parts, etc., may be gained from an examination of the illustrations here shown, and in detailed description the manufacturers



say: "It is the most practical device for hanging and operating a common farm gate known. It is the easiest article to sell and the most satisfactory to buy. The price is so low and the Hanger so simple and perfect in every respect that almost every farmer becomes a purchaser as soon as he sees it. It is designed, as the cut clearly shows, for a style of gate that every farmer has or can make cheaper and easier than any other. The cuts show how quickly and easily the gate can be hung and raised to clear deep snow or other obstructions when desired. It is double pivoted; supports a gate perpendicularly, and is so strong and simple it cannot get out of order. The weight of the gate hangs on the centre and at its strongest point. The Hanger is made of steel and is fastened near the centre of the post with two lag bolts and does not project or have weak points. It is put together with bolts; adjustable for any length or weight of gate and adapted for any State or farming community. It can be sold cheaper than any other and throughout the entire season at a profit regardless of what others do, as it is fully protected by letters patent." They further explain that "all the material required to

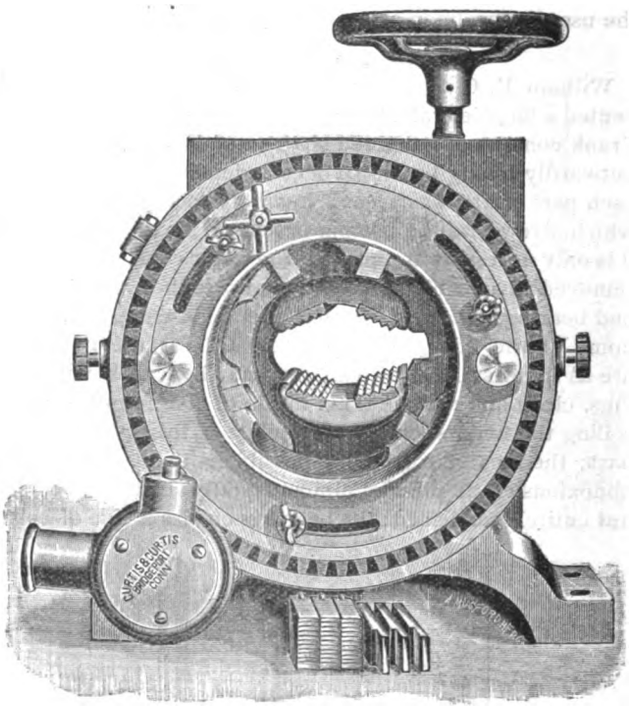


erect a Myers Patent Farm Gate" is as follows: One Myers Patent Hanger, 5 boards 14 feet long, 6 boards 4 feet 8 inches, 2 posts. A note sent to F. E. Myers & Bro., Ashland, Ohio, will bring all needed facts as to prices, etc., to enable any dealer to handle these goods to his own profit and the satisfaction of his customers.

The management of the Pennsylvania Bolt & Nut Works, Lebanon, Pa., have notified the employes in the screwdriving department that their wages have been increased ten cents per thousand bolts, which is equivalent to a ten per cent. advance.

Improvement in the Forbes Patent Die-Stocks.

Probably there is no tool or machine better or more favorably known to all users of wrought iron pipe, than the Forbes Patent Die Stocks, manufactured by Curtis & Curtis, Bridgeport, Conn., for thirteen years. "When these machines were placed on the market in 1882," it is said, "they were a radical departure from anything then in use, and they had a long and hard battle to fight in order to win recognition, but their merits were at last appreciated by the trade generally, until now they have become the standard tool for cutting and threading pipe." But "good" was not enough for this firm, who have kept at work making improvements from time to time as experience has shown it possible. These improvements have often been at great expense, but they always have been accomplished without advancing the price of the machine to the trade. "There has always been, however, one disadvantage to this style of machine which until now has resisted every effort to correct it. The chief support for the die-carrying gear is derived from a bearing made between the outside of the gear teeth and the inside of the shell. On to this bearing dripped the oil laden with chips and grit from the pipe, which



caused a grinding operation which soon results in the gear becoming loose in the shell. The gear thus being allowed to tip slightly, a drunken thread is the result. When this state of affairs occurs, as it is pretty sure to do sooner or later with machines of this style, repairs have been impossible except by supplying a new gear or a new shell, which makes it very expensive. For a long period the makers have been looking for some way to correct this great objection to this class of machines, and at last have discovered a method which by its very simplicity makes one wonder why it has not been thought of before, but as they have been able to cover it with patents, it must be put down as one of those simple things which constitute the best kind of inventions. They have discovered that by having a long narrow slot in the top of the shell, with a lug on each side, connected by a screw, that they were able to draw the shell together sufficiently to take up any wear that the gear might make. Even a very loose gear can be made very tight and a good even fit maintained at all times, ensuring perfect threads." We show herewith a cut of their No. 2 Hand Machine, range, 2½ to 4 inches, showing the slot and lugs on the top.

HARDWARE is printed for men now on earth;

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BICYCLE PROPHECIES FOR 1896.

OVERMAN WHEEL CO.

EDITOR HARDWARE: While there is no immediate prospect of too many good bicycles being made, it is very sure that the crop of rubbish will far exceed the demand.

Most bicycles are made to sell, not to ride. Many little makers are buying the pieces and sticking them together, and calling them bicycles.

Good bicycles can be built only with good facilities and capital, and long experience. Hardware dealers can get themselves into trouble faster than they can get out of it by selling such stuff to riders, who invariably expect them to perform as well as the best work.

When a Hardware dealer wishes to undertake the bicycle business as a side issue, he should fortify himself by obtaining the agency for the best bicycles, one which will make friends for him instead of lose friends.

Hardware dealers will appreciate the difference between crucible steel and machinery steel. Our appreciation of this difference is one of the many reasons for our success.

We were the first American makers of the present universal type of safety bicycles, and have therefore had a longer experience with this machine and know what its needs are. A. H. OVERMAN, President.

Chicopee Falls, Mass., September 27th, 1895.

EAGLE BICYCLE MFG. CO.

EDITOR HARDWARE: Your favor received. Replying would say, that a large proportion of our machines have been marketed to the Hardware trade of the United States. We have found that Hardware dealers who take the matter up with the right spirit and endeavor to become thoroughly posted regarding the details of the business before entering it largely, make the very best of agents. Some Hardware dealers who have been disappointed in their bicycle business are themselves to blame. Many of them have endeavored to branch out largely into this line of trade without first getting thoroughly conversant with the details of the business. Under these circumstances they have been subjected to a great deal of annoyance by not being properly fitted to take care of their customers. On the other hand, many of the most successful dealers in bicycles in the United States are Hardwaremen who have taken up the business thoroughly and consistently.

Yours truly,

THE EAGLE BICYCLE MFG. CO.

C. S. DIKEMAN, Secretary.

Torrington, Conn., September 28th, 1895.

W. H. WILHELM & CO.

HARDWARE: Your favor received. In regard to how many bicycles will be manufactured in 1896 will say, we do not know. We figure ours at 20,000 to 25,000. In regard to prices would say, prices will be higher, In regard to the industry being overdone would say, we do not think it will be overdone. Yours truly,

Hamburg, Pa., September 24th, 1895. W. H. WILHELM & CO.

MONARCH CYCLE MFG. CO.

EDITOR HARDWARE: Replying to your recent favor with reference to bicycle business would say that the probable production of bicycles in America for 1896 will be 700,000 or 800,000.

From 450,000 to 500,000 were manufactured in 1895.

Probably 20 per cent. of the bicycle business is handled through merchants who deal in Hardware.

There will probably be no change in list for standard high grade machines next season.

We do not feel that there will be any over production from the fact that the increase in demand will probably be more than increase in product, in view of the fact that manufacturers will not be able to obtain a sufficient amount of material to increase the product over 1895 in excess of about 35 per cent. or 40 per cent.

The output for 1896 would probably exceed 1,000,000 bicycles if it were possible for all manufacturers to obtain the necessary material. Yours truly,

MONARCH CYCLE MFG. CO.

L. M. Richardson, Ass't Manager.

Chicago, Ill., September 25th, 1895.

GRAND RAPIDS CYCLE CO.

EDITOR HARDWARE: Replying to your favor of September 16th., as to how many bicycles we think will be manufactured for the season of 1896. If it was possible to get the raw material to manufacture the stock, and possible for the manufacturers of bicycles to get the special bicycle machinery required for large outputs, a conservative estimate would be 1,000,000 wheels, but the writer is of the opinion, and this opinion is founded on the very best of evidence, that raw material will be so scarce, and the demand for it so great, the prices so high, that many makers will cut down their estimated output several thousand wheels, and that the actual increased output over 1895 will not reach a maximum number of 750,000 wheels. It is almost impossible to get any kind of machinery and get a promise of delivery before next spring. Some manufacturers of machinery will not accept any orders at any price for delivery before February 1st. Some of the manufacturers of parts began refusing to accept any more orders sixty days ago. All this indicates the desire for a very large increase in supply, but will be limited owing to the conditions and circumstances.

You ask how many wheels were manufactured in 1895, A very conservative estimate of the number of wheels made in 1895 is from 400.000 to 450,000. We have no accurate means of estimating the number of wheels marketed by the Hardware trade during the past year. Perhaps 25 per cent of our output has been handled by the Hardware trade.

Relative to prices for next year, the list price will, probably, remain the same. At least we can see no tendency on the part of any manufacturer to reduce his list prices. The net prices in the case of extremely low grade "jobbers' wheels" there is an upward tendency, and we believe a number of manufacturers of this class of goods have already sold their output at a slight advance over last season. The manufacturers of extremely fine, high priced goods may possibly shave their net prices a trifle if they have to, but under the existing circumstances, we doubt if it will be necessary for those who can afford it to make any lower prices, because they will not have to do so.

You wish to know if we think there is any danger of the bicycle industry being overdone. There is, and the time is not very far distant, when manufacturing of bicycles will be extremely dangerous for people to invest their money in. The trade is in the condition of a town that has been boomed to death, and sooner or later the bottom will fall out of this boom. We do not mean by this that the demand will be any less, but the supply will increase so much more rapidly than the demand, and the competition among makers will be so sharp as to prevent any possible chance of making it a profitable business for the manufacturer. Of course, the more this condition of affairs continues, the more there is in it for the dealer.

No time in the history of the trade has there been the opportunity for the Hardware and bicycle dealers to make the money there is at the present time. Many of them could have made a good deal more money than they have, but they are not satisfied to get a good profit on an article which is so hard to get and easy to sell, but seem to think they

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should sell it at dry goods profits. This will never do in the bicycle business. A dealer should realize at least 30 per cent. on every wheel he sells. He will find even at this profit at the end of the year a good portion of it has been eaten up in various ways he did not figure on. The manufacturer has met with all of these extravagant expenses, and for this reason in many cases realizes the impossibility of manufacturing and selling a wheel at an extremely low price, and realizing a legitimate profit on the same.

The bright, far seeing Hardware dealer will buy his bicycles direct from the maker, and handle them under the maker's name, even if he is obliged to pay a slight advance over the jobbers' prices on an unknown product, manufactured possibly by a maker who has never had any experience in the business, as makers who have had experience do not have to sell their wheels to jobbers under other names than their own. The main object in selling wheels without the name of the maker is to avoid the guarantee, and this is just the point that Hardware dealers should look to, and take carefui pains that he gets goods direct from the maker, or at least with the manufacturers' name on them.

Trusting this information is what you want, we are,

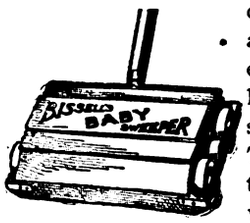
Yours very truly,

GRAND RAPIDS CYCLE CO.

Grand Rapids, Mich., September 18th, 1895.

Bissell's "Child's" Carpet Sweeper.

The Bissell Carpet Sweeper Co., Grand Rapids, Mich., are manufacturing a novelty for holiday sale, in form of a Carpet Sweeper called the "Child's," illustration of which is here given. The manufacturers say: "This is unquestionably the prettiest, most durable, most useful toy carpet sweeper ever put on the market. They are little beauties and are just as good sweepers as they are good lookers. They contain our famous broom action, making them sweep, and sweep well. The 'Baby' Bissell is a toy that every parent will want—will want because it contains to the fullest possible extent the four points always looked for but seldom found in a child's gift, namely, usefulness and durability, beauty and cheapness." Price, $8 per dozen. Retail for $1 each.



The Wesson-Nivison Mfg. Co., Cortland, N. Y., are preparing for a busy season in the way of bicycle manufacture. They kindly informed a representative of HARDWARE upon a recent visit that all their machinery was of the latest and most improved kind. They are making a new tubular hub of their own invention—something light, and which they refer to "equally as durable as any in use." They are prepared to furnish this to other makers of bicycles. It is patented. They are making the "Loyal" wheel which lists at $100. They use large tubing for the frame, tubular hub, and a new device for holding the handle-bar, doing away with the clip and bolt: also have a new style of seat-post fastener, making it easier to adjust. They are offering other attractive features for the season of 1896.

E. Bissell, Son & Co., No. 12 Murray Street and No. 15 Park Place, New York, announce for Tuesday, Wednesday and Thursday, October 15th, 16th and 17th, a large combination and unreserved sale of Granite Enameled Iron Ware, Peerless Enameled Ware, Blue and White and Crystal Ware, by order of the St. Louis Stamping Co. and the Lalance & Grosjean Mfg. Co. Upon page 40 of this issue are all the details of this great and attractive sale.

A company for the manufacture of a self-sealing oil can has been organized at Toledo, Ohio, by Louis O. and Ala H. Brown. The invention is their own.

Review of the Markets.

Hardware: The conditions governing the trade are about the same as last writing. Prices have been advanced on several lines of goods, but no large or startling advances need be looked for, unless the increased traffic, caused by the transportation of the enormous crops, reported in some parts of the country, induces the railroads to purchase rails and other supplies that they have done without during the years of the depression. It may be expected that all goods, into the construction of which Copper enters, will be dearer, as the price of Copper has advanced in all about 30 per cent. Jobbers generally are reaping benefits from the advances, and in some cases where they have accumulated stocks in anticipation of advances, they are enabled to cut prices, and sell below the manufacturer and still make a profit. The trade in Builders' Hardware in New York is especially good, and it may be said that there is more business of this character in sight than there has been for some time past. Steel Billets have gone about as high as is safe, in view of foreign competition. A great many jobbers complain that collections are far from satisfactory.

Nails: From the present condition of the market no further advances are looked for this month, although it is rather dangerous to predict anything in reference to Nails. The demand is not nearly as large as it has been, and fewer Nails will be manufactured this month than any month thus far in the year. The output of Nails is, however, so well regulated by the association, that there is a ready sale for the quantity manufactured. The policy of the association is to allow only the manufacture of such a quantity of Nails as the market requires. The Nail Association has been criticized for putting up the price of Nails, but the prices for October, 1895, are not so very far in advance of the prices for September, 1891.

Wire Nails: Prices remain unchanged and are as follows: Carload lots or mixed cars, $2.25 per keg, base, f.o.b., Pittsburg; less than carload lots, $2.35 per keg, base, f.o.b., Pittsburg. To jobbers taking from one mill within one calendar month 1000 kegs and over, 5 cents per keg rebate will be made. On contracts direct shipments of less than car lots of 24,000 pounds of Nails an extra 5 cents per 100 pounds will be charged. Wire Nails in carload lots on dock in New York are quoted at $2.40, and small lots from store are held at $2.50.

Cut Nails: Consumption seems to have been somewhat checked by the recent advances. Prices remain the same. We quote as follows: Carload lots or over, $2, base, Pittsburg delivery; less than carload lots, $2.05, base, Pittsburg delivery. To jobbers taking from one mill within one calendar month 500 kegs or over, 2½ cents rebate per keg is allowed, and on 1000 kegs 5 cents rebate per keg is made. For half kegs 10 cents extra will be charged. New York quotations are as follows: Carload lots on dock, $2.15; small lots on dock, $2.26, and small lots out of store, $2.30.

Nuts and Bolts: The National Association of Bolt & Nut manufacturers held a meeting in Cleveland on September 25th and decided to make an advance of from 5½ to 7 per cent. The advance, though slight, has been made necessary by the recent advance in iron and will take immediate effect.

The Russell & Erwin Mfg. Co., Nos. 43 to 47 Chambers Street, New York, have recently issued a revised discount sheet under date of August 15th. In spite of the date it embraces all of the changes made up to date on the large line of goods that the company offer to the trade. It will be seen that all the advances that have been made are laid before the trade in this manner. The company say: "On account of the unusual liability now existing to sudden fluctuations in the cost of materials and labor, all prices are subject to change without notice."

Powder: E. I. Du Pont Nemours & Co. announce a re-

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vised price list of Gun Powder, taking effect October 1st. A discount of 10 per cent. is allowed on rifle and sporting powders in lots of 1000 pounds and over, one sale, one delivery and to one consignee. Any less quantity, net. Blasting, mining and shipping, net. Two per cent. cash discount is allowed on all bills paid within ten days.

The Hazard Powder Co,, Nos. 44 to 48 Cedar Street, New York, make the following announcement, under date of October 1st: "Please notice: We hereby withdraw the temporary prices of 4th ult. made on our kegs, half kegs and quarter kegs of Kentucky Rifle Powder, and now return to the old list."

Putty: Prices are the same, the quotations being $1.40@ $2.25 for goods of the better quality, according to style of package and quantity.

Linseed Oil: The following quotations are made by the Dean Linseed Oil Co.: Raw, 44 cents per gallon; boiled, 47 cents per gallon; Calcutta raw, 48 cents per gallon.

White Lead, dry or in oil, and Red Lead and Litharge in kegs: Prices are governed by the National Lead Co.'s list and are as follows: In lots of less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents; Red Lead and Litharge in barrels and half barrels, ¼ cent per pound less than price in kegs.

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "Nothing is any stronger than its weakest part. We shall know the strength of our currency system when it has been thus tested. The locking up of legal tenders in banks and treasury may bring about the desirable test. Silver certificates when presented at the United States sub-treasury should be redeemed in gold. Any refusal would be liable to bring about another object lesson in American finance. The good faith of the nation is pledged to redemption of all the Government's demand paper in gold. The country is on the road to further inflation, based on good crops and prices, and evidence that this is the unalterable policy. Straws: The Prussian 4 per cent. consuls, or a debt of $900,000,000, or $53 per capita, is to be refunded at 3 per cent. The United States net interest bearing debt at present is less than $10 per capita. It is estimated that all the cotton consumed in the world could be raised in the State of Texas. European statisticians estimate this country's wealth greater than that of any other. English investors have 360 million of defaulted securities of South American countries, 272 million being Argentine, provincial and municipal loans. The Rothschilds, who carry 2420 millions securities of various countries, are reported saying American investments are the best in the world. The Bank of England discount rate has continued 2 per cent. for nearly two years. Their reserve is 60.45 per cent. against 70.96 a year ago. England's mercantile marine aggregates a tonnage of 9,585,000 tons; Germany, 1,485,000. Poor's Manual estimates the tonnage mileage in 1894 was 82 billion miles; in 1882 it was 39 billion miles. That the average rate for carrying one ton one mile then was 1.236 cents, and last year it was but .851 cents, or 31 per cent. decrease."

THE DAVENPORT TRADE.

The Sylvan Steel Co., referred to in one of our letters published in HARDWARE a year ago, and who finally commenced operations about December 15, 1894, report that they have made a handsome profit the first year, or rather the first three quarters of their first year, and feel so much encouraged that they have decided to enlarge their works, and will, by January 1st, employ not less than five hundred workmen.

Work has been commenced on the government bridge, and the Phœnix Bridge Co., who have the contract, will no doubt push the work to completion at the earliest possible moment, and we hope to see it finished before the close of 1896.

A year ago Wire Nails were selling at $1.25 per keg; to-day they are bringing $3 to $3.10. Farmers, a year ago, received 51 cents per bushel for corn; to-day it brings 30 cents.

If you will use your pencil a moment you will notice that only one year ago two and a half bushels of corn would buy a keg of nails. In agriculture in Iowa "Corn is King;" in Hardware, Wire Nails are the most staple articles; now your same pencil will show you why trade is dull, but it will be a more difficult task to explain to your readers in the West why it is just, through combinations, associations or conspiracies, or by whatever name you choose to call them, to change the relative values of staples to such an extent in twelve months.

Linseed Oil declined until 36 cents for raw was reached; an advance in seed, together with a speculative demand, has sent the price up again three cents, and the market is very firm at that figure with further advances in prospect.

We have a new list and higher prices on augers and auger bits.

Sheet iron and goods manufactured from sheet iron are scarce, causing great inconvenience to small buyers of these seasonable articles, who buy only as they want, from week to week. Carriage bolts have again advanced and stamped tinware has followed suit.

The mercury dropped with a chilling thud one day last week thirty degrees in fifteen minutes, and life is again worth living. The annual political campaign is on, and the stump orator goeth about through the land, and the sound of his voice is heard in every town and hamlet thereof, occupying much valuable time of the good people who otherwise could be more profitably employed in buying or selling Hardware. SICKELS, PRESTON & NUTTING CO.

THE ST. LOUIS TRADE.

The volume of business for September did not come up to the expectations of the jobbers in the Western cities. This can be accounted for by the large business done during the month of August by all Western houses. The buyers of Hardware think the advances in staple goods have been too rapid, and consequently are selecting only such goods as they are compelled to have to keep stock complete, being fully assured of having their wants supplied through their regular source when in need. The staple crops in the West are immense, but the value of the farmer's production realizes him very small returns. It takes many bushels of corn to pay for one keg of nails at the prices now ruling. From the standpoint of the jobber, we think the manufacturers of all the products of iron have raised their prices quite enough, and they should be held where they are for some time and not keep up monthly or weekly advances. A. F. SHAPLEIGH HARDWARE CO.

THE CLEVELAND TRADE.

During the past two weeks the volume of trade has not been as satisfactory as it should be. This would seem to indicate that the stocks in the hands of retail dealers which had become very much depleted have been increased to a point where they do not feel the necessity of making them any larger, and that the demand from their customers has not been sufficient to warrant further addition.

The high price of Iron and Steel tends to check building operations, and prevents the carrying out of some plans that had been laid.

The sharp advance in steel makes a very considerable difference in the cost of building, and naturally causes those who are building with the idea of investment to hesitate before so doing. Notwithstanding this apparent lack of consumption prices are well maintained, and we feel that perhaps the conditions that we have just described are only local, as we know that the crops in the territory tributary to this city have not been so phenomenal as has been the case in other sections of the country.

Seasonable goods are commencing to move in somewhat more satisfactory quantities, and as the weather grows

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cooler we have no doubt that the general volume of business will be increased.

Collections are satisfactory and the general outlook of business is fully as good as it was a year ago.

McINTOSH-HUNTINGTON CO.

THE PITTSBURG TRADE.

An excellent object lesson of the products and the needs of Pittsburg is presented in our river harbor at present. There are large boats and barges lying there containing over thirty million bushels of coal (about 1,200,000 tons) awaiting a rise in the river to enable them to reach their market in the cities along the lower Ohio and Mississippi rivers. The annual run of river coal approaches one hundred million bushels, but on account of the low stage of water in the Ohio for months, it cannot be used and the coal accumulates. Our need is a lock and dam improvement of the river by the government. This would be of inestimable advantage to millions of people in the Ohio and Mississippi Valleys, and primarily to Pittsburg.

We are also agitating for a deep water canal to Lake Erie. This has been thoroughly examined by competent engineers and pronounced entirely practical. If it can be accomplished, the shipment of coal and iron ore will make an immense traffic now only partly done by three lines of railroads.

The largest consumers of Iron this season have been the constructors of large city buildings. Immense tonnage of structural steel has gone into these new class buildings in all our large cities. It is a puzzle to some people where all the Iron has gone this year, but when we consider the quantities used for building, for street car rails and the growing general demand of the country, we can see that the present active condition of the Iron market is likely to continue. Next year the railroads are bound to be larger buyers, so that we look for good times in Iron and Steel for at least a year to come.

The first rush among Hardware manufacturers has about spent itself, and they will now look at a jobber and talk prices. Orders are being booked for Fence Wire as far ahead as February 1st.

Our coal and coke workers have arranged their wage scale for a term ahead, the men securing a fair advance. This will insure steady working in these industries for some time to come.

The window glass trade, a very large Pittsburg product, is in good condition, factories all well employed, and prices firmly held at the recent advance.

LOGAN, GREGG & CO.

THE ROCHESTER TRADE.

We wish we might report a more satisfactory condition of trade in this territory. The very light fruit crop which prevails in our territory has a tendency to make retailers feel blue, and as a rule, they are buying on the hand-to-mouth principle. The advance prices are being maintained with but few exceptions. Customers are buying very cautiously and collections are not satisfactory. Truly the much talked of boom, if it has struck us at all, has struck us very light. Local retail trade is very statisfactory.

WEAVER, PALMER & RICHMOND.

THE CHARLESTON TRADE.—HARDWARE: PAST AND PRESENT.

In the not very distant past, but sufficiently long to be beyond the memory of a majority of dealers, the city of Charleston supplied the wants of the entire State of South Carolina, fully one-half each of North Carolina and Georgia, all of Florida and as a market was not unknown in Tennessee and Alabama. The advantage of geographic position established, foreign connections, experienced and thoroughly trained merchants, ample capital, and an unquestioned reputation for fair dealing, attracted dealers from all parts of the Southern States, and made the Hardware business one of the most important and lucrative of many that engaged the attention of the commercial element of the city. By far the greater portion of goods then sold were of foreign manufacture, and the names of European makers were as familiar then to the trade as the most celebrated manufacturers in America are now.

From causes too well known to be mentioned now, a complete and radical change took place, not only in Hardware but in all branches of business, and the ancient city realized the complete isolation that had occurred, cutting her off from the largest portion of her commercial territory, and that she no longer controlled the trade that had aided so much in establishing her commercial importance, and added so materially to her wealth.

Merchants now had to be content with what trade could be obtained in the State alone, and were unsuccessful in getting even one-half of that. This loss was so serious that numbers of merchants discontinued business, and their places remain unfilled. Those who decided to remain worked alike with energy and faith to retain the rapidly diminishing trade, but did not entertain the then chimerical hope of seeking the old or any new territory outside of the limits of the States.

The change of markets was, however, not as great as the difference in the class of goods offered. Americans not only copied but vastly improved on almost every article offered, and a preference for the new over the old was quickly given, and foreign goods, save in a few lines, were seldom seen. In the manufacture of Hardware alone, if no other examples were taken, the genius of the American is prominent, and we can readily pardon the inferiority of many productions, and accept for durability, beauty of design and artistic finish. For years the trade was hardly more than a struggle, but as all things come to those who wait, opportunities were given to solicit trade beyond the State lines, and were quickly taken. Representatives, with well assorted sample cases, were sent "abroad," and were successful from the start, and have secured permanent customers that look to this city for a large proportion of what they need in this line.

It required courage, buoyant spirits and unconquerable confidence in the future to conduct a Hardware business for some years past, and while the expectation of profits was a feeble hope the escape of loss was cause for congratulation.

So much for the past. The present is cheering and the future full of hope. The long expected and oft deferred hope of a steady and a rising market has come at last, and with the assurance of no sudden change has been hailed as a summons to gather all energy and expend it in putting Charleston where she properly belongs—the front rank of South Atlantic cities, and a Hardware market inferior to none. Up to present writing these efforts have been successful, and the volume of business done far in excess of years formerly regarded as reasonably good.

How long the benefit of present improved conditions will be enjoyed by jobbers is a question that cannot now be answered, and if suggested quickly dismissed as being too uncertain to be discussed. Judicious action on the part of manufacturers will prolong the pleasant present, but ill-advised advances, and unusual effort to increase production, will be regarded with disfavor alike by jobbers and consumers, and invite outsiders to come in even if for a short time, and endeavor to have a share of the seeming large profits. Such a course will soon destroy the present satisfactory conditions, and result in disastrous declines as the depressed condition of all branches of trade for several years found few prepared, and the strongest suffered the most; now may not the present, with increasing demand and enhanced values, be fully as disastrous, and wreck many who survived the slow depletion of the years gone by?

We will not anticipate trouble, however, but accept the present with grateful appreciation, and having, long ere the present advances were made, placed orders alike for present and future wants, hold ourselves in readiness to supply the

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wants of all our customers, and look forward to a large and reasonably profitable business for the year to come.

MARSHALL, WESCOAT & CO.

THE BOSTON TRADE.

That the month of September was not up to expectations is conceded by the trade generally throughout New England, but when we consider the handsome gains made during the months of July and August, and the freedom shown in making purchases at that time, the reason is easily accounted for. The stock in the hands of the retail trade has been in such condition as to easily meet the demands of the consumer, and we must look for increased consumption before large orders are placed.

October has started with an improvement in bright, crisp weather, and with such seasonable conditions we hope to mark an improvement over the month just closed.

There seems to linger in the minds of many, a certain amount of suspicion as regards the recent advances, and the size of orders indicates that customers are buying only in such quantities as their immediate demands require. Were the conditions of trade such as to justify further advances, there is no doubt but that the manufacturers would take advantage of the fact and withdraw some of the present ruling quotations, but until there is a greater demand among the consumers most manufacturers will hesitate before making any advance beyond that which is legitimate.

Collections are not what they should be at this season.

FRYE, PHIPPS & CO.

THE PHILADELPHIA TRADE.

October opens with a rather better feeling, and to-day we are enjoying a rain which is more than welcome, as the country is literally burnt up by the drought. The losses in the agricultural section were severe and often very heavy, and since the first of July there has apparently been no rain whatever, and the crops have suffered greatly in consequence, while the agricultural products are lower in price than for many years.

While this may be the case in the agricultural district the outlook elsewhere is much better. Coal is bringing a better price, and reports from the coal section show a good business. Iron and coke are maintained at high prices and business is brighter there. Cotton holds its high figure, and orders from the South are noticeably larger and more satisfactory in consequence.

Hardware prices throughout are well maintained, and higher prices are promised in many lines. As we have repeatedly said, outside of a dozen items the advances in Hardware have been more moderate and conservative, and further advances are almost imperative. The advances in the last few days have been on Cast Steel Bits, Cast Butts, Bright Wire Goods, Vises, Sad Irons and many other small goods, showing that Hardware is now being affected by the advances in price of material.

Collections are still slow, but the immense increase in the money paid out weekly for wages is bound to affect this before long, and a fair volume of business may be expected for the balance of the year, and possibly a larger business in the spring.

BIDDLE HARDWARE CO.

THE BALTIMORE TRADE.

It is pleasant to report a continuance of the same steady demand that has characterized the business of the past month. Higher prices seem to act as an incentive, and orders are being placed freely for late fall goods. In view of the coming elections, some slight decrease in sales may be expected, but the interruption will be but temporary. Campaign oratory has never been recognized as a business tonic.

Prices rule higher, and the recent advances bear every evidence of being made from legitimate causes. Trace Chains for example! Did you ever weigh a pair of Trace Chains, figure the cost of the raw material, adding a nominal sum for workman's wages and see what was left the manufacturer for his profit? Very little—to say nothing of the interest due him on capital invested. Such an advance is legitimate and welcome accordingly. On the other hand, note the advances made by the Bolt makers since February 14th, 1895, hardly eight months ago. The price of Common Carriage Bolts has advanced 40 per cent. It is true the raw material has advanced about the same per centage—*but the raw material only forms about one-third of the cost*, the other two-thirds being made up of wages, interest on plant, etc. Had the Bolt makers advanced wages 40 per cent. then, in that case, we might understand the justice of such high prices; but pools are full of mystery, some deep and some shallow—all muddy. The substitution of machine methods for individual effort is something always to be deplored.

TABB & JENKINS HARDWARE CO.

THE BUFFALO TRADE.

Since our last letter there is no material change in the market. New advances have been made, and these have been slight. The advances in Raw Material would justify all changes that have taken place, and from the present outlook we do not apprehend much variation in the near future. There appears to be more conservatism on the part of all than has been manifest in some little time.

We are glad to see this condition, as we believe this policy the wisest to pursue. Caution at this time is especially desirable, that there may be no fear of reaction.

We are glad to report, however, that there seems to be a demand for better goods. This is particularly interesting, for the reason that the market has been flooded so long with cheap goods that the trade have become quiite dissatisfied, and the dealer who now enjoys the benefits of this change has reason to congratulate himself, as his customers will be decidedly better pleased with their purchases and will make desirable patrons in the future. WEED & CO.

THE VARNISH AND COACH COLOR TRADE.

There has been considerable activity of late in the Varnish and Coach Color markets. The prospect for the fall season seems to be very encouraging, and at no time since the panic of 1893 has there been so generally a feeling of confidence and hope for the near future.

In the matter of orders and new business, the improvement is very decided already, and we think there is little doubt of its continuance for some weeks.

In the matter of collections there is, if anything, a still greater improvement which has extended over several weeks in the past. At no time, for many months, if not years, have collections been so easy and prompt. Certainly we have every reason to feel encouraged in our lines of business.

No. 45 Broadway, New York. EDWARD SMITH & CO.

THE GRAPHITE TRADE.

All our catalogues announce us the "oldest house in the Graphite trade." This means nearly seventy years' manipulation of this precious product, which has forced its way into the manufactures, arts, sciences and sports of the world, from the giant metal industries to the lubricating of bicycle chains, and pot-leading of yacht bottoms in international contests. With Graphite prepared for special work at $7 per pound and in all the range of prices down to a few cents per pound, we can to-day study the pulsation of business in the statistics of our order books. Just now the pulsation is that of great activity and encouraging strength.

September ends with marked increase of sales in all the products, Crucible sales being the largest in any September in the history of this company. Lubricating Graphite comes next, with noticeable orders from railroads, for use

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on engines, for pistons, cylinders, valve seats of air brakes, etc.

Pencil orders are simply overwhelming, and are now being taken for January delivery. Graphite Paint orders are steady, with substantial sales in the aggregate of about twenty-five per cent. over September, 1894.

One noticeable feature of the healthfulness of the times, and peculiarity of the Graphite business, is the number of applications received for peculiar devices. So many persons seem to be in pursuit of chemical, metallic, electrical, or mechanical combinations, and so many naturally base success upon the special properties of Graphite.

To sum up, we firmly believe that this fall and winter will be characterized by good business and larger individual orders from the trade. Joseph Dixon Crucible Co.

The Penn Hardware Co., Reading, Pa., will erect an additional foundry on their property at the foot of Spruce Street, which will give employment to thirty additional moulders and about fifty additional finishers. The dimensions will be 70x140 feet.

The Jos. Dixon Crucible Co., Jersey City, N. J., in their calendar card for October, show a handsome chrysanthemum, with this quotation from Bishop Coxe: "Flowers are words which even a babe may understand."



Situation Wanted.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

Side Line Wanted

GOOD selling specialties wanted to handle in western New England. F. E. Wheeler, No. 476 Main Street, Springfield, Mass.

E. BISSELL SON & CO.,

AUCTIONEERS,

Large Combination and Unreserved Sale

OF

Granite Enameled Iron Ware, Peerless Enameled Ware, Blue and White and Crystal Ware,

By order of the St. Louis Stamping Co. and the Lalance & Grosjean Mfg. Co.

ON TUESDAY, WEDNESDAY and THURSDAY, OCT. 15, 16 & 17,

AT 10 O'CLOCK EACH DAY,

At No. 12 Murray Street and 15 Park Place, New York.

On SIXTY DAY'S time for approved notes.

THIS SALE WILL INCLUDE

Several Car Loads of St. Louis Stamping Co.'s Granite Iron Ware Seconds and about

4000 CASES

OF THE

LALANCE & GROSJEAN MFG. CO.'S

Peerless Enameled Ware, Blue and White and Crystal Ware,

Making a grand total of 7000 to 10,000 Cases.

Goods will be sold in **case lots** and the sale will **comprise** a **full assortment** of **all** the goods **made** by **above companies.**

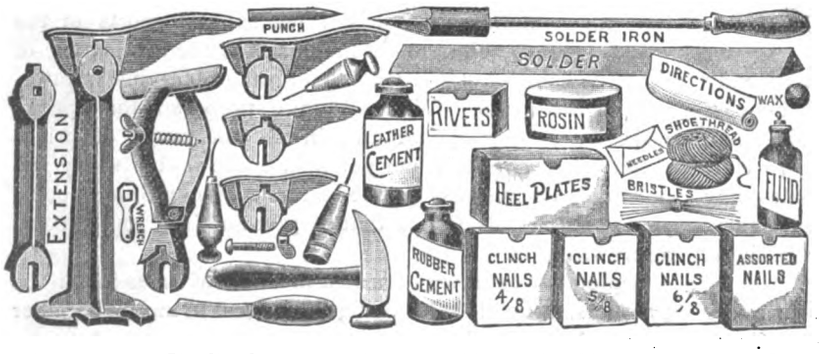
This **Combination Sale** made by these **old** and **well known manufacturers** will be **worthy** the attention of **all buyers** who **desire** to **buy Enameled Ware** at their **own prices** to **serve** as **leaders.**

These goods, though **sold as seconds,** are **as serviceable** for **general use** as the **regular goods.**

The **Jobbing** and **Retail trade should not fail** to **have their** buyers **present.**

The **entire catalogue** and **all duplicates** will be **sold without any reserve.** Do not forget the date October 15, 16 and 17, 1895.

We are HEADQUARTERS for IRON LASTS



And our Newest, Neatest, Cheapest and Best Half-Soling and Repairing Outfit is

The Home Repairing Outfit No. 1.

If you want an article that won't have a chance to gather dust, grow fly-specked, or become shop-worn, just try a half dozen. Remember, **we are the originators** and **largest manufacturers** of **Repairing Outfits** in the United States, and we are prepared to furnish them at lowest possible prices. Write for full description and see if we can't. They'll make you money, sure.

THE ROOT BROS. CO., - Sta. J, Plymouth, Ohio.

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There are Two Classes of Rubber Belting, Packing and Hose:

MALTESE CROSS BRAND

AND OTHERS.

We are the Sole Makers of the MALTESE CROSS GOODS, but we make others too, and all at prices that you will find attractive.

THE GUTTA PERCHA AND RUBBER MFG. CO.,

ESTABLISHED 1855,

Mechanical Rubber Goods of Every Kind,

35 WARREN STREET, - - NEW YORK.

BRANCHES: CHICAGO. BOSTON. SAN FRANCISCO. PORTLAND, ORE.

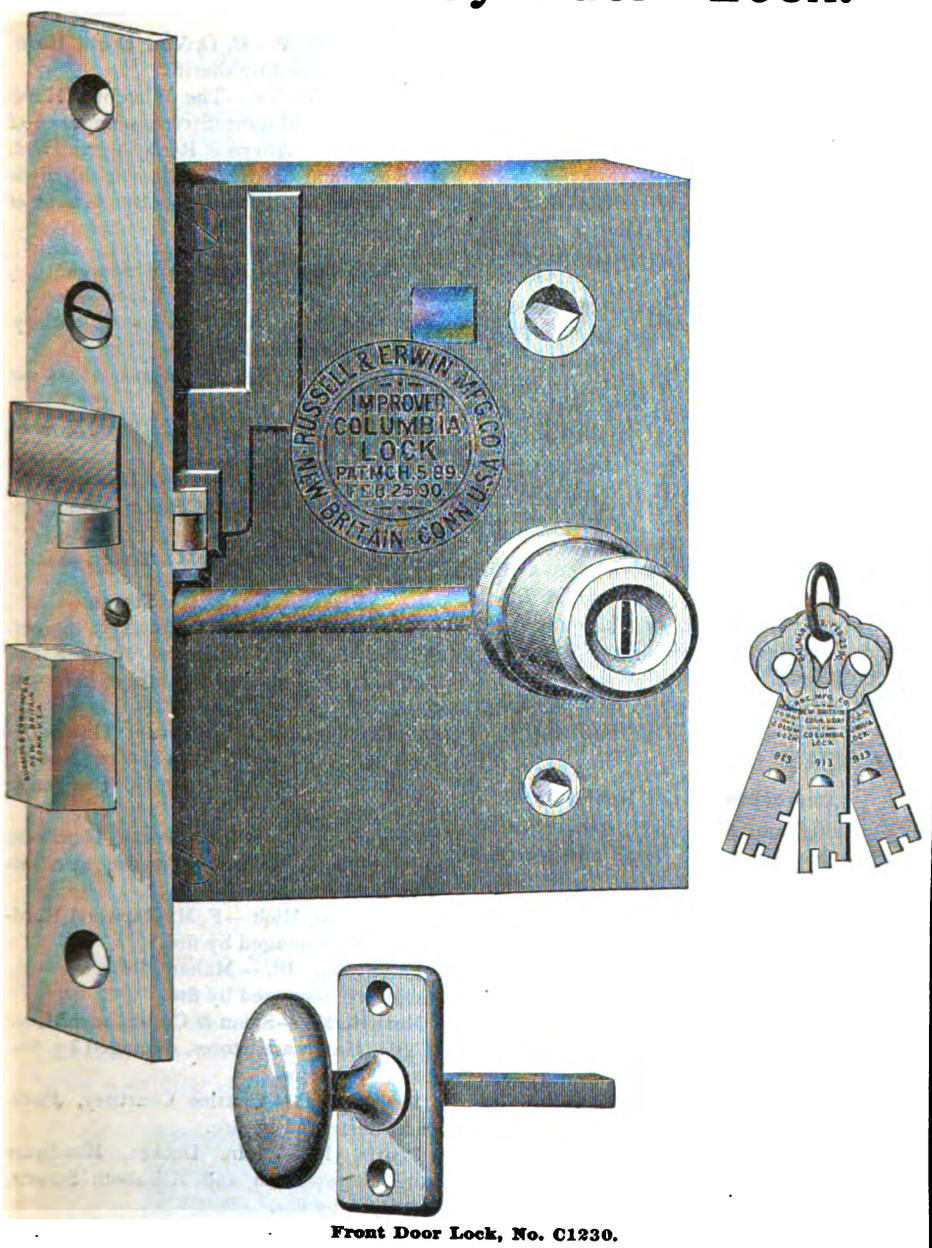
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Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London.

Manufacturers of the

Columbia Cylinder Lock.



Front Door Lock, No. C1230.

The Columbia Cylinder Lock is made for Front, Vestibule and Office Doors.

The Office Door Lock is especially adapted for large office buildings.

The new machine shop for the Granger Foundry & Machine Co., Providence, R. I., will be one of the largest and most complete in the New England States. The building is designed and built by the Berlin Iron Bridge Co., East Berlin, Conn., and is 110 feet wide and 306 feet long. The construction is similar to the Fuller Iron Works machine shop, designed by the same parties and which has been before illustrated in these columns.

W. C. Heller & Co., Montclair, N. J.: "We have had some very good results from our advertisement in HARDWARE (of Heller's Mail Boxes), not alone here in the United States, but from our foreign neighbors. We have replies from Colon, Argentine Republic, Brazil, Mexico, with orders (Spanish boxes), and this morning's mail brought an order for a sample box from Sydney, New South Wales."

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.

25c.

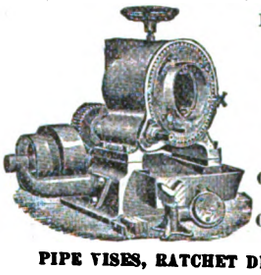


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DOES NOT LEAK.

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Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
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Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Argentine, Kan.—McCaslin & Wilson.

Barnesboro, Pa.—E. M. Binger.

Buffalo, N. Y.—Frank Hackley.

Charleston, S. C.—The Miller Hardware Co.

Columbus, Ohio.—W. W. Gilliban.

Corpus Christi, Tex.—E. H. Caldwell.

Houston, Tex.—J. A. Hail.

Mendon, Mo.—John H. Parker.

Mohawk, N. Y.—Adams & Du Bois.

Norfolk, Va.—J. D. Armstrong & Co.

Record of Changes.

Agosta, Ohio.—E. E. Bush has purchased the Hardware store of E. E. Drown and will dispose of the stock at once.

Alva, Okla.—G. R. Follett & Co., Hardware, reported to have dissolved partnership.

Apalachicola, Fla.—W. A. Lockwood & Co., Hardware, etc., succeeded by E. H. Hopp.

Arnprior, Ont.—R. G. Plaw, for years manager of McDougall & Cuzner's branch store at Mattawa, has purchased the Butler Hardware establishment in Arnprior and will live there in future.

Atlanta, Ga.—R. S. Crutcher & Co., Hardware, partnership dissolved. Business continued by R. S. Crutcher.

Augusta, Ga.—Wallace I. Delph, Hardware and stoves, succeeded by Charles B. Allen.

Baltimore, Md.—Smith, Jameson & Keyser, Hardware, etc., succeeded by Smith & Jameson. Henry B. Keyser retiring.

Batavia, Iowa.—Kennedy & Fishel, Hardware and agricultural implements, succeeded by D. Y. Kennedy.

Belvidere, Ill.—F. W. Starr, Hardware dealer, has closed a deal by which he secures Frank King's store building on Pleasant Street.

Berryville, Ark.—Hamilton & Neff, Hardware, sold stock to J. W. Freeman.

Bonita, Tex.—Reed & Taylor, Hardware, stock purchased by D. M. Carr, who will continue the business.

Colfax, Ind.—Edward L. Darby, Hardware, succeeded by Darby & Rinehart.

Conway, Ark.—Livingston & Neff, Hardware, etc., have dissolved partnership, the senior partner retiring.

Cookeville, Tenn.—Nichols & Ford, Hardware dealers, partnership dissolved. Business will be continued by T. D. Ford.

Deepwater, Mo. — Beem & Schoetke, Hardware, stock sold at auction to A. L. Levy for $2105, who will continue the business.

Denison, Tex. — Pollard & Creager, Hardware, partnership dissolved, and business will be continued by Pollard, Hoerr & Co.

Dickson, Tenn.—V. B. Miller, Hardware and agricultural implements, stock purchased by J. D. Petty, who will continue the business.

Elmwood, Ill.—Venn, Hyne & Richards, Hardware and agricultural implements, reported to have been succeeded by James Venn & Co.

Eunis, Tex.—Bird Bros. & Co., Hardware, have been succeeded by Z. T. Williams.

Evergreen, Pa.—L. C. Allen has purchased the Hardware business of M. M. Corson at New Albany.

Fall River, Mass.—The copartnership existing between Rhodes & Catlow, dealers in Hardware, paints, etc., has been dissolved.

Gaines Station, Mich.—F. W. Blodgett, Hardware and lumber, reported sold to W. B. Cogard.

Greeley Centre, Neb.—Tim Foley, Jr., Hardware, reported to have been succeeded by Greeley Hardware Co.

Hartsville, Ind. — C. I. Stearns, dealer in general merchandise, has disposed of his stock of Hardware and agricultural implements to W. A. Howard & Co.

Hitchcock, Tex.—Schneider & Heilwig, Hardware dealers, have dissolved partnership. R. Heilwig will continue the business.

Kirkland, Ark.—Holton & Wells, Hardware and stoves, succeeded by J. A. Wells.

Lexington, Ky. — The Lexington Stove Co., No. 123 East Main Street, have sold out.

Mexico, Mo.—G. D. Ferris, Hardware, succeeded by Leroy Ferris.

Roachdale, Ind. — Wendling & Priest, Hardware, reported as having dissolved partnership, W. E. Wendling continuing the business.

Shreveport, La.—Buckalew & Pleasants, Hardware, have been succeeded by Buckalew, Cury & Warren.

Struble, Iowa. — George M. Comparet, Hardware, reported to have been succeeded by Joseph Brandt.

Timbo, Ark.—W. E. Moore, Hardware, has been succeeded by B. F. Lancaster.

Wahoo, Neb.—Jones & Shirk, Hardware succeeded by the Shirk Hardware Co.

Warrenton, Ga.—B. W. Payne & Bro., Hardware, purchased by Hutton & Payne.

Webster City, Iowa.—F. D. Young, Hardware, reported to have been succeeded by J. J. McGrath.

West Medway, Mass. — S. Elwyn Ross has purchused G. R. Drake's Hardware business.

Improvements and Removals.

Birmingham, Ala.—J. M. Bender has enlarged his Hardware store and increased his stock.

Clark's Summit, Pa.—S. C. Koons has moved into his new Hardware store.

Formosa, Kan.—M. R. Houston, Hardware, will move to Baxter Springs, Kan., in a few days.

Hamilton, N. Y.—A. N. Smith's Hardware store has recently been lighted by electricity.

Macon, Ga.—The Dunlap Hardware Co. has moved into new and larger quarters on Third Street.

Washington, Kan. — G. H. Cullimore, Hardware, removed business to Frankfort, Kan.

Business Embarrassments.

Albany, N. Y.—C. M. Ward, Hardware dealer, Dean Street, made an assignment to Horace S. Bull.

Bedford, Pa.—J. F. Blymyer, Hardware, reported to have made an assignment.

Chicago, Ill. — Andrew Dickens, Hardware store, No. 196 Randolph Street, in hands of the sheriff.

Corry, Pa.—The Swift Hardware Co., one of the oldest companies in northwestern Pennsylvania, fell into the hands of the sheriff recently on judgments amounting to $20,000. The liabilities will amount to at least $30,000. The Corry National Bank is the principal creditor.

Lyons, Ind.—L. D. Ennis, Hardware, reported to have made an assignment.

Oshkosh, Wis.—F. S. Idson, Hardware, closed on foreclosure of chattel mortgages.

Pittsburg, Pa. — Howard Royer & Co., Hardware merchants, Smithfield Street, made an assignment to H. I. Riley.

Port Clinton, Ohio.—Edward Wedekind, Hardware, etc., reported closed on chattel mortgage.

Saratoga, N. Y.—C. O. Van Dorn, Hardware store, closed by sheriff.

Wheeling, W. Va.—The Wheeling Hardware Co., on Market Street, composed of John W. Sliffe, Alwyn S. Rouk, agent; Wm. M. Rouk and Charles F. Braunlich, made an assignment recently for the benefit of their creditors.

Burglaries in Hardware Stores.

Clark's Green, Pa.—S. C. Koons, $100.

Clinton, Iowa. — F. S. Arnold, cutlery, silverware and jewelry.

Kingston, N. Y.—J. F. Johnson, loss not yet known.

Lebanon, N. H.—C. M. Hildreth & Sons, $300 worth of cutlery.

Metuchen, N. J.—Mundy & Bishop, $150.

Plymouth, Mich.—M. Connor & Son, cutlery to the value of $40.

Westerville, Ohio.—W. O. Baker, $100.

Fires in Hardware Stores.

Brooklyn, N. Y. — Kohlman & Spleer, Hardware, etc., Washington Avenue and Canal Street, damaged by fire, at a loss of $5000.

Clarksburg, Mo.—W. Cruze, Hardware, stock destroyed by fire, at a loss of $2000.

Clinton, N. J.—A. J. Smith, Hardware, slightly damaged by fire.

Corunna, Ind.—Milo Thomas' Hardware store, recently destroyed by fire at a loss of $15,000.

Kalamazoo, Mich.—F. M. Harwood, Hardware store, damaged by fire.

Lexington, Ill. — Mahan Bros. & Co., Hardware, damaged by fire.

Merwin, Mo.—Sloan & Corbin, and Moore & Neil, Hardware stores, damaged by fire, at a loss of $2000.

Monon, Ind. — Charles Courtney, Hardware, destroyed by fire.

Peoria, Ill. — John Decker, Hardware store, corner Main and Elizabeth Streets, destroyed by fire.

Racine, Wis. — Jacob Mohr, Hardware, Fifth Street, slightly damaged by fire.

Tecumseh, Neb. — John A. Mastalka, Hardware, destroyed by fire.

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THERE is always a time in the career of every business when Quality and Finish is necessary to build up and maintain your business.



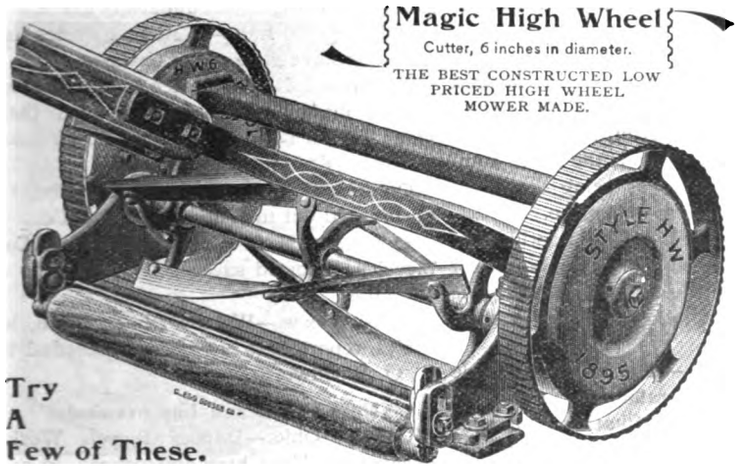
Has this time yet come to you?

It has if you wish to continue the confidence your customer has placed in you. The more competition you have the better ought to be your line of Barrows.

Thoughts and Ideas are valuable, but to maintain the intelligent effort, your goods must maintain a high quality and a moderate price. **THE CHAMPION BARROWS** possess all the above. What more can you ask?

BRYAN MFG. CO., Bryan, Ohio, U. S. A.

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Try A Few of These.

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MOWERS OF THE

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OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters fron D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,

Richmond, Ind. U. S. A.

When you begin Handling Bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

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The M. & W. quick-repair pamphlet is interestingly illustrated from life.

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MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.



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TRY THEIR

DIAMOND BRAND FORKS,

WHICH ARE UNEQUALED.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Beaver Falls, Pa.—The Morado Bicycle Co. has been incorporated with a capital stock of $25,000.

Belvidere, Ill.—Big Thunder Mfg. Co. has been incorporated with A. S. Coxe, president; T. L. Manley, vice-president, and H. J. Coxe, secretary, to manufacture the Coxe Keyless Bicycle Lock and other bicycle sundries. Capital stock, $2,500.

Bowling Green, Ky.—Kellogg & Co., Hardware, bicycles, etc., have opened new store.

Bridgeport, Conn.—Premier Cycle Co., has been incorporated by Llewellyn H. Johnson, Henry C. Douglass, William F. Case and Clifford S. Rutan, of Newark, N. J., to manufacture bicycles, tricycles, etc. Capital stock $55,000. The sum of $20,945.77 has been paid in cash, and $28,861.73 in property, consisting of bicycles, tricycles, machinery, tools and other equipments.

Camden, N. J.—The Columbia Tube Co. has been incorporated by Edward E. Coleman, Charles D. Cramp and W. J. Haines, all of Philadelphia. Capital stock, $10,000 of which $1000 has been paid in.

Chicago, Ill.—Eldorado Cycle Co. has been incorporated by Benjamin F. Norris, William McAlister and Thomas E. Fraher to manufacture and deal in bicycles. Capital stock, $50,000.

Cleveland, Ohio.—The Gemini Cycle Co. has been incorporated by Halbert J. Burdick, John C. Kortz, Clyde C. Burdick, J. O. Mansfield and H. B. Chapman, to manufacture and deal in bicycles. Capital stock, $25,000,

Columbus, Ind.—The Williams Mfg. Co. has been incorporated with a capital stock of $25,000 to manufacture and deal in bicycles.

Defiance, Ohio.—The Defiance Bicycle Co., has been incorporated by Wilmer T. Clark, O. D. Severidge, H. P. Miller, John Spangle, D. F. Southworth, A. H. Wood, John W. Childs, D. F. Enos, S. J. Wheeler, and Wm. J. Wheeler. Capital stock $50,000.

Dolgeville, N. Y.—Karl Fink, and others, are reported organizing a company, to manufacture bicycles.

Elgin, Ill.—The Elgin Sewing Machine & Bicycle Co. has been incorporated with a capital stock of $200,000. This enterprise succeeds the Diamond Sewing Machine Mfg. Co.

Elmwood Place, Ohio.—The Anderson & Harris Carriage Co. will go into the manufacture of bicycles, and contemplate turning out between 10,000 and 15,000 bicycles during the next season.

Grand Rapids, Mich.—Berkey & Gay, furniture manufacturers, announce their intention of adding the manufacture of bicycles, and are preparing to put in machinery for this purpose.

Grand Rapids, Mich.—Grand Rapids Bicycle Co. incorporated by Willis J. Perkins, C. W. George, Eberhardt, Joseph W. Brown and others. Capital stock, $10,000.

Jacksonville, Fla.—Kingsley McCullam has opened a bicycle exchange at No. 319 Main Street.

Kittery, Me.—The Achorn & Dearborn Mfg. Co. has been organized to manufacture and deal in bicycles, etc. Capital stock, $100,000.

Little Falls, N. Y.—Snyder & Fisher are preparing to erect a new factory building for the manufacture of bicycles.

Lockport, N. Y.—Charles Whitcomb and other capitalists have erected a building on Locust Street, and will put in a large plant, this autumn, for a bicycle factory.

Minneapolis, Minn.—The Bicycle Keyless Lock Co., has been incorporated by J. A. Folsom, W. A. Chowan and Chas. L. Wright. Capital stock $25,000.

Nashville, Tenn.—Steps are being taken looking to the establishment of a bicycle factory.

Newburg, N. Y.—George Meyer is organizing a company to commence the manufacture of bicycles.

Newburgh, N. Y.—The Newburgh Cycle Co. has been incorporated by A. M. and George Meyer of Newburgh, and others of New York City and Hartford, Conn. Capital stock, $100,000. This is the same company that was reported as being organized by George Meyer a few weeks ago.

New Haven, Conn.—The Southington Cutlery Co. will take up the manufacture of bicycle parts, and the establishment of this enterprise may be followed by the location of a bicycle factory.

New Orleans, La.—The Southern Cycle Co., Limited, incorporated by Robert W. Abbott, E. M. Graham, Charles E. Fenner and others, to establish a factory for manufacturing bicycles. Capital stock, $50,000.

Northampton, Mass.—C. L. Houghton, W. I. Fox of Whately, and John Woodruff, of Westfield, are organizing a company to manufacture an improved bicycle, the invention of Mr. Houghton. The wheel has a double tube frame, parabolic in shape, and the advantages claimed are that it is stronger and lighter than the diamond shaped frame. The only grazed joint where any weight comes is where the frame is joined to the head. A clamp to which the horizontal saddle post is fastened is joined to the upper part of the curved frame and is adjustable.

Omaha, Neb.—Steps are being taken looking to the organization of two separate companies for the manufacture of bicycles.

Paterson, N. J.—The Webster Mfg. Co. has been incorporated by Alexander L. Kinkead, Paterson, N. J.; William W. Fitzhugh and Josiah L. Webster, New York City, to manufacture and deal in bicycles, etc. Capital stock, $10,000.

Peru, Ind.—The Shirk Mfg. Co., of Chicago, is preparing to locate a bicycle factory in this place.

Sherburne, Minn.—D. Thomas, Hardware, bicycles, etc., is opening new store.

St. Louis, Mo.—The A. F. Shapleigh Hardware Co. appointed St. Louis agents for new wooden bicycle saddle manufactured by the Brown Saddle Co. of Denver, Col.

Stowe, Vt.—H. E. Shaw, Hardware, bicycles, etc., has commenced business. Propositions from manufacturers of bicycles and bicycle sundries solicited.

Waterville, Me.—J. J. Lane and others are organizing a company to manufacture a bicycle lantern, patented February 5 last. Mr. Lane is now in New York City interesting capitalists in the new company.

Zanesville, Ohio.—The Zanesville Cycle Co. has been incorporated with a capital stock of $5,000.

Changes and Removals.

Centreville, S. D.—Ely & Higenbotham, Hardware, bicycles, etc., partnership dissolved, M. Higenbotham continuing the business. Propositions received from manufacturers of bicycle sundries.

Hartford, Conn.—The American Cycle Co., Wheeler & Beach, proprietors, dissolution of co-partnership reported, E. L. Wheeler succeeding to the business, and the same will be continued under his name.

Indianapolis, Ind.—E. Aker, bicycles, reported to have gone out of business.

Lyndhurst, N. J.—McKee & Harrington, bicycle manufacturers, have moved their plant to New York City, and are now located at Nos. 173 to 179 Grand Street.

Ontario, Cal.—Philo Jones, bicycles, reported sold out to Williams Bros. & Co.

Pawtucket, R. I.—Cokely, Monroe & Co., bicycles, reported succeeded by Monroe & Williams.

Waco, Texas.—Woodworth & Mann, bicycles, reported to have been succeeded by A. O. Woodworth.

New Goods and Improvements.

Canton, Ohio.—Dueber Bicycle Works, excavations have been commenced on new factory, the building for which will be 100x30 feet. If the success of the business is assured, the company will immediately erect more commodious buildings.

Kenosha, Wis.—The Stirling Cycle Co. is making preparations to increase its facilities for working a double turn, and have placed a contract for the installation of a complete lighting plant, including 600 incandescent and 25 arc lights.

Reading, Pa.—The Relay Mfg. Co. is building a new bicycle factory which will be four times the size of the present one, and will be equipped with special new machinery. They intend using a visible ball-bearing in their 1896 wheel, and will continue to use the patented rear adjusting fork which they have been using during the past two seasons.

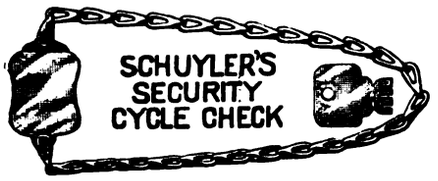
Saginaw, Mich.—The M. L. Marr Cycle Co. which was recently reorganized, is preparing to add to its capacity by the erection of an additional factory building two stories high, 36x61 feet, and will equip it with special new machinery.

San Francisco, Cal.—Charles E. Broad, bicycles, contemplates enlarging his present quarters, and will establish a riding academy under the management of F. S. Jacks.

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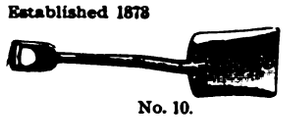
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Handsomely nickeled, light and strong, the traveler's safeguard, a popular lock at a popular price. For simplicity, convenience and neatness of design, the "SECURITY" has no equal. Can be carried in the vest pocket. Key fastens in lock when not in use. Once used by the traveler it becomes indispensable. and is used by bicyclists the world over, When you want to go into the smoker, get off the train for lunch, talk to a friend on the platform, in the waiting-room, at the depot, at the theatre, lock your overcoat, satchel and umbrella to the arm of the seat. It not only secures your packages, but reserves your seat. Each lock packed in a neat paper box—one dozen in a carton. Sample by mail for 50 cents. If your Jobber does not handle our goods, write direct to us; remember we pay the freight.



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THE WYOMING SHOVEL WORKS,

MANUFACTURERS OF

Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.

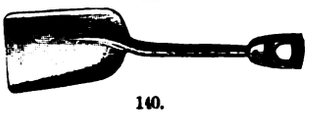
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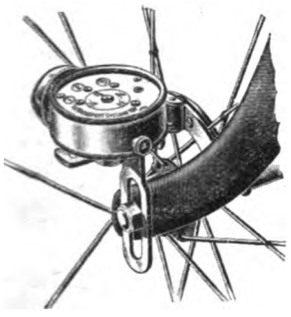
17 to 23 POUNDS



CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.



DING! THAT'S HOW THE BELL RINGS

On a Model "B"

BRIDGEPORT CYCLOMETER

At the end of every mile.

This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

Rings a Bell at Every Mile.

FULLY GUARANTEED.

Sold by all dealers at a low price. Discount to the trade upon application. Send for catalogue.

The Bridgeport Gun Implement Co.,

313-315 Broadway, New York.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

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contributes to success, without faith you will be blind to good results.

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HARDWARE.

FOR SALE!

A LARGE MANUFACTURING PLANT.

Lately used as a Bicycle works. Large part of shafting and pulleys already in position, so that machinery could be attached and operations begun at once. Capacity, 15,000 Wheels per annum. This property, with water-power, is well adapted to many kinds of manufacturing purposes, and will be sold cheap. For further information, address

JAS. DICKSON, 98 4th Ave, Pittsburgh, Pa.

The Leidecker Tool Co., Marietta, Ohio, are making some important improvements in increasing their capacity for work. The largest hammer that was ever brought to that city was purchased by them a short time ago. The hammer, together with the machinery belonging to it, weighs 41,150 pounds, while the hammer has a dropping power of 2500 pounds. A large blower was received, and has the capacity for running fourteen fires, while the others heretofore used were only capable of running nine.

"Service" is the title of a little illustrated leaflet sent out by the Troy Nickel Works, Troy, N. Y. It is illustrated in a unique manner, and a very attractive presentation of the Troy Damper, made by this company.

The Springfield (Mo.) Stove Works have closed down indefinitely on account of the rise in the price of iron. One hundred men are thrown out of work. Work may not be resumed for several months.

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No. 1. Straight Handle. No. 1. "D" Handle. No. 2. "All Wood."

Phillips Snow Shovels

Are properly formed and are well made from good materials. Imitators of our Shovels do not shape our patterns correctly. They do not use varnish, and otherwise cheapen the goods. Insist on having the Genuine Article. Our Shovels ought to cost you no more than inferior imitations.

Send for new Catalogue of Snow Shovels and Screen Goods for '96.

PHILLIPS SCREENS

Are Reliable.

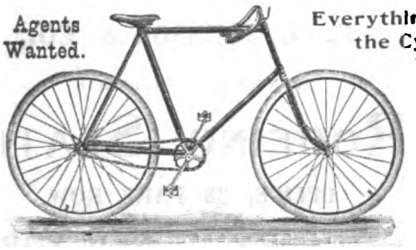
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R. H. & CO.'s 1895 LINE!

Agents Wanted.

Everything Required by the Cycle Dealer.



The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

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PEET VALVE CO.'S Valves.
ERICSSON Hot Air Pumping Engines.
Chicago Emery Wheels.
Black Diamond Files.
RUSSELL & ERWIN'S Screws.
P. & F. CORBIN'S Builders' Hardware.
LANDERS, FRARY & CLARK'S Table Cutlery.
GENEVA TOOL CO.'S Agricultural Tools.
SAMUEL WINSLOW SKATE MFG. CO.'S Ice Skates.

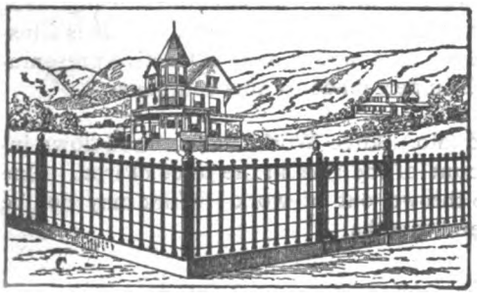
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146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**

KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fence which is the handsomest, strongest and cheapest Lawn Fencing on the market. ∴ ∴ ∴

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Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.

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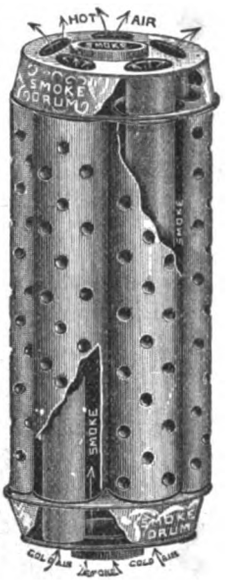


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Prices also are lower this year. Full particulars may be had by addressing

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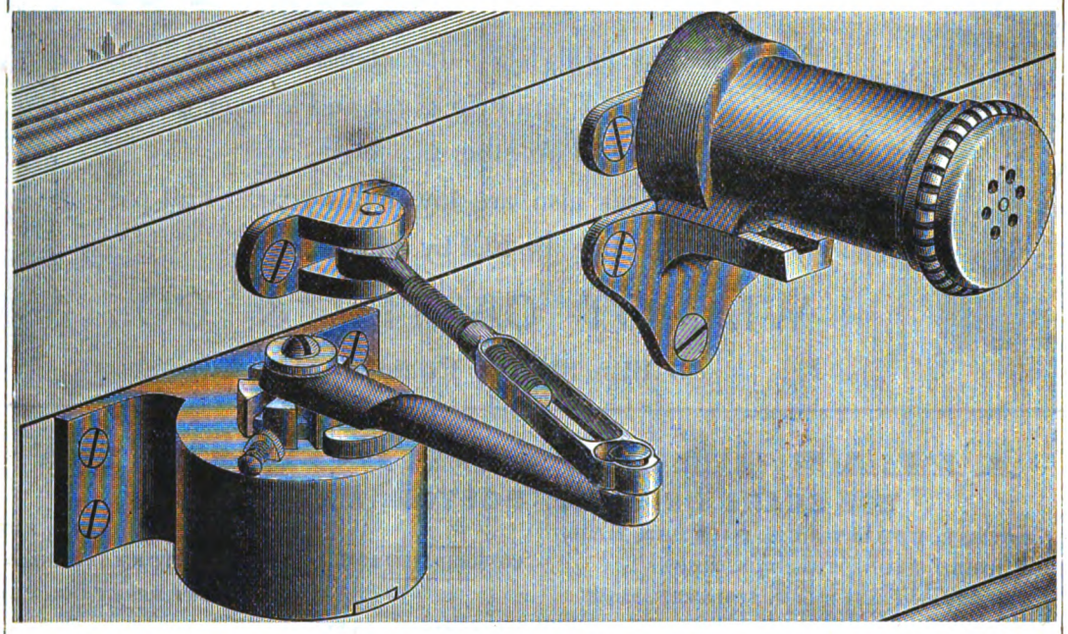
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Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

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At this time of year



the **Eclipse Check and Spring**

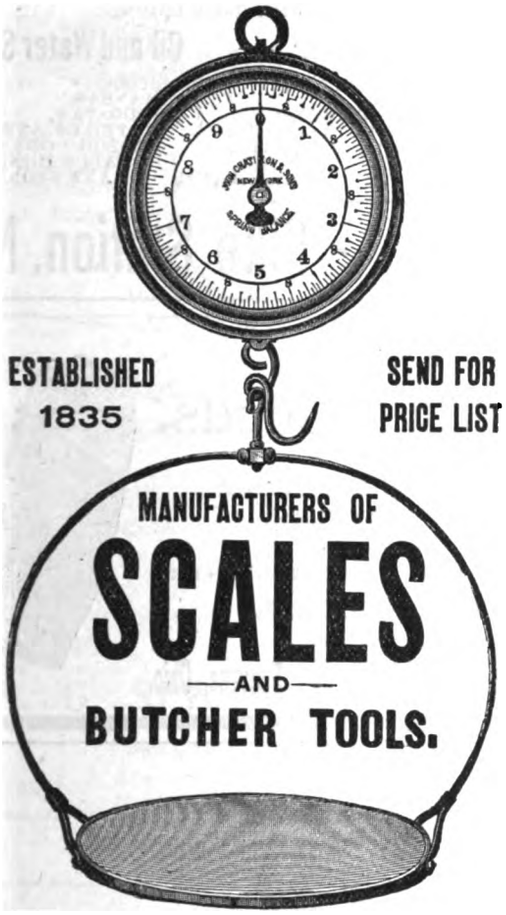
should be found in every Hardware store. Customers will call for something to keep doors shut. Show them the best there is for the purpose---something that will close doors without noise and keep them shut against drafts. The Eclipse fills the bill and is PROFITABLE for the Hardwareman to handle. Easily sold, easily applied, pays the dealer.

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ESTABLISHED 1835

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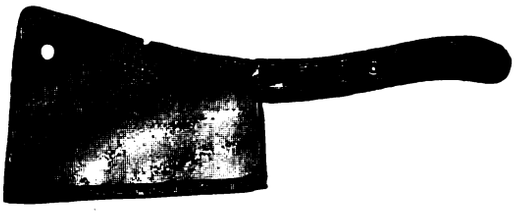
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(Established A. D. 1802.)

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BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

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PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarn sh, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

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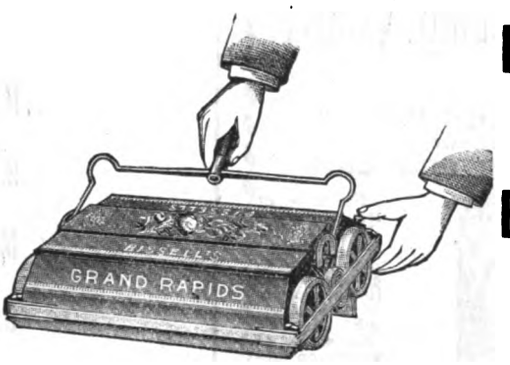
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CARPET SWEEPERS



EASY TO BUY

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85 % of all the Carpet Sweepers used in the Entire World are "Bissells"

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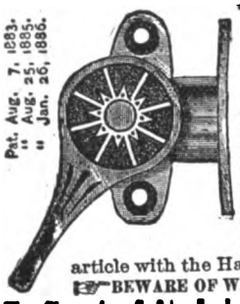
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Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, clean, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.



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TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



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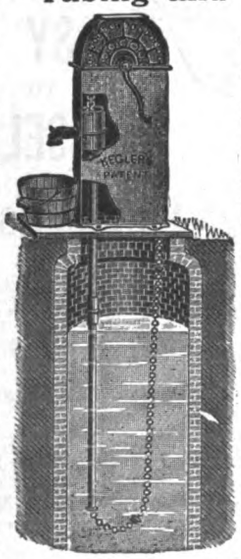
Simple, durable, powerful, easy to operate never affected by frost. Patent GLASS VALVE, will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT Galvanized Iron Tubing and Curb



No taste of iron or wood. No rotting, no rust, no filth. No freezing, as upper section of Tubing is made tapering. No waste of water, on account of enlarged head on Tubing.

More Durability. Less Weight.

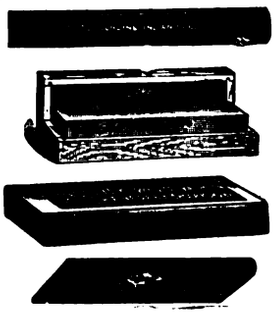
Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chainpumps. Send for illustrated Catalogue. Sole Manufacturers,

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But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
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THE LARGEST LINE, BEST STYLES.

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Not the Cheap John kind,

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Each Piece Guaranteed Against Leakage

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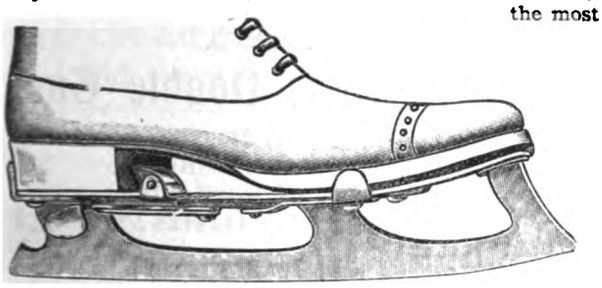
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PECK & SNYDER'S NEW AMERICAN CLUB SKATE.



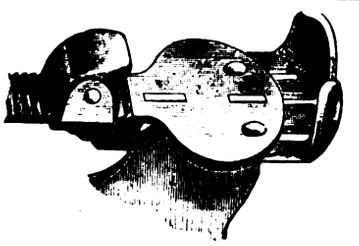
Peck & Snyder's NEW AMERICAN CLUB SKATE for 1895 has revolutionized the art of skate making. New American Club represents an entirely new heel clamp that will fit any heel instantaneously. The old method of clamping to the heel is entirely done away with. It cannot slip, is stronger, acts instantaneously, no screwing or adjusting necessary, saves time, and is without question the most perfect heel clamp ever invented.



MADE IN FIVE GRADES.

Peck & Snyder's New American Club Skate is the most perfect skate ever constructed. It has simplicity of adjustment, solid foot plates, solid heel clamps, and will fit any heel.

The Clasps Cannot Slip. Sure Grip. Thumb Screws and Sets entirely disregarded. It is Light, Handsome, and Twice as Strong as the old club skate.



HERE'S THE NEW CLAMP.

Ask your jobber to show you samples of the **"New American Club."** If he doesn't carry them, send direct to us for samples and prices. Handsomely illustrated catalogue of this skate mailed on application. Address

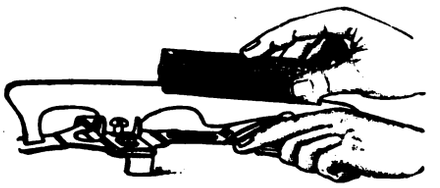
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Successors to PECK & SNYDER.

NEW YORK,	CHICAGO,	PHILADELPHIA,
126-130 Nassau St.	147-149 Wabash Ave.	1216 Chestnut St.

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Every man, woman and child can now sharpen their own skates. The Lynch Skate Plane, for concave or square runners, is the best skate sharpener ever manufactured. Any one can use it. It will last for years, is perfect in every way, and fully guaranteed.

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"U. S." Club Skates

For Season of 1895 and 1896.

Manufactured by

P. LOWENTRAUT.

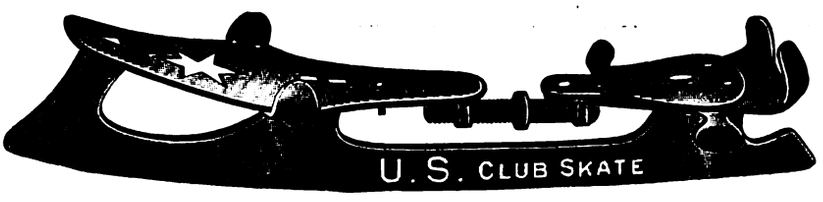


SEVERAL new numbers have been added to our line making it complete in all grades.

OUR CATALOGUE is now ready and will be mailed on application. . . . . .

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WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

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TWO FAVORITES.

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Ten Styles.

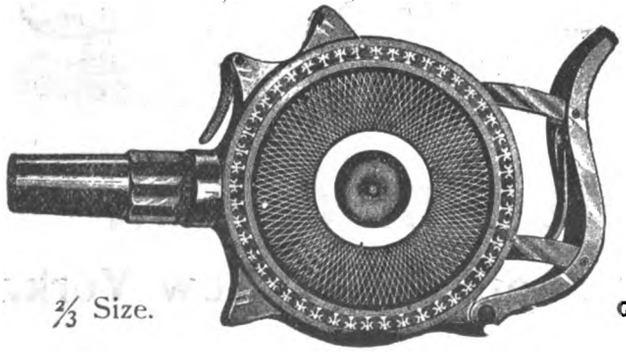
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"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

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Seed's New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three.

A 1,	$4 50	per doz.
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BEST AND CHEAPEST

STONE WATER FILTER

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Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.

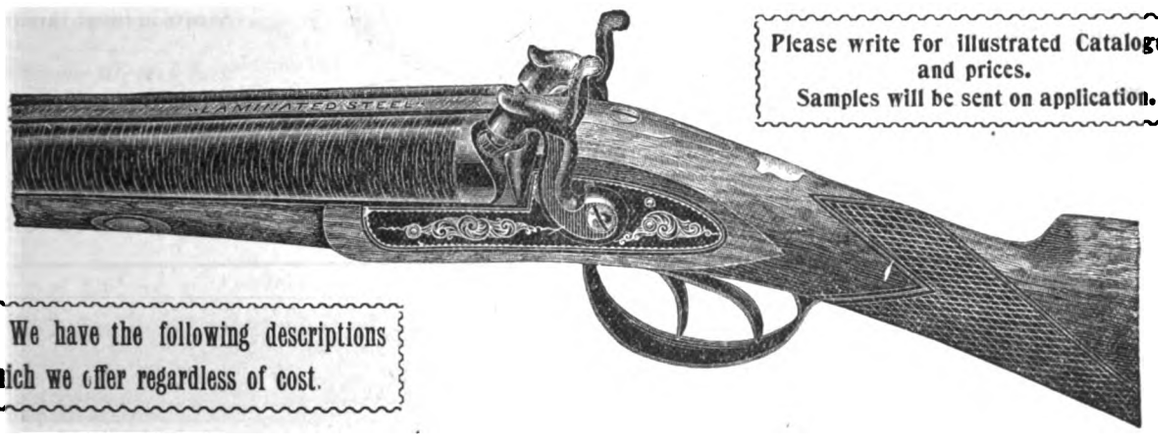


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Please write for illustrated Catalogue and prices.
Samples will be sent on application.

We have the following descriptions which we offer regardless of cost.

No. 200.—Blued Barrels, back action locks, plain varnished stock, iron butt, bright locks and mountings.

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Single Barrel.

No. 79.—Blued Barrels, back-action lock, iron butt, varnished stock, bright mountings.

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Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "Diamond."**

The "Diamond" Skate Sharpener.

The only Sharpener on the market that will do a clean, smooth job. HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.

For sale by nearly all first-class jobbers, or will be shipped direct from our factory.



SAMPLE BY MAIL, 25 CTS.

SOMETHING ENTIRELY NEW!

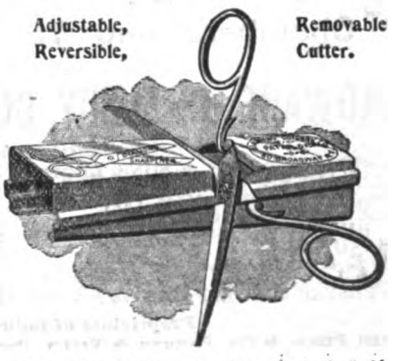
Every Boy Sharpens his own Skates.

See that Pivot

Fits the Curve of any Skate.

THE "DIAMOND" SHEARS and SCISSORS SHARPENER.

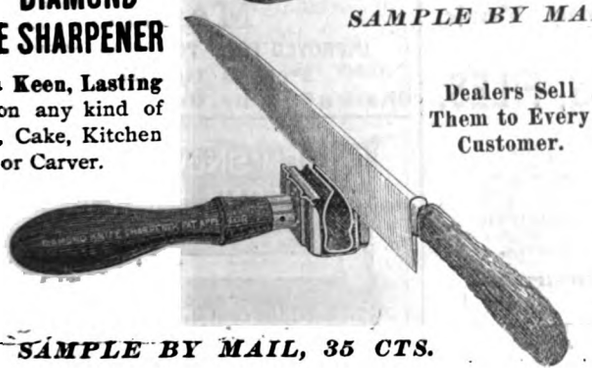
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Puts a **Keen, Lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.



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Dealers Sell Them to Every Customer.

All of these Articles are elegantly nickel-plated and packed one doz. in a box.

Write for Descriptive Circulars and Prices.

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THE WM. SCHOLLHORN CO.,
New Haven, Conn.



"Star" Straight Trimmer (Oval Pattern).

MANUFACTURERS OF
The Celebrated "Star Brand" Shears and Scissors, and "Elm City" Shears in large variety.

ALSO MANUFACTURERS OF
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In all styles and sizes for various purposes.

"BEST QUALITY ONLY."



PAPER SHEAR KNIVES of every style and shape.
METAL SHEAR BLADES, to any machine.

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Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom.
96-98 Reade Street.

CORPORATE MARK,

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—MANUFACTURERS OF—

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ONE HUNDRED AND FIFTY YEARS.

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Established 1836.

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JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD
PEUGEOT FRERES,	HORSE AND TOILET CLIPPERS.
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W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
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SKATE WILL GRIND HARD SKATES OR SOFT.

GRINDING MACHINERY

IMPROVED FOOT POWER GRINDERS.
Prices Reduced.
Charles Perkins, Bridgewater, Mass.



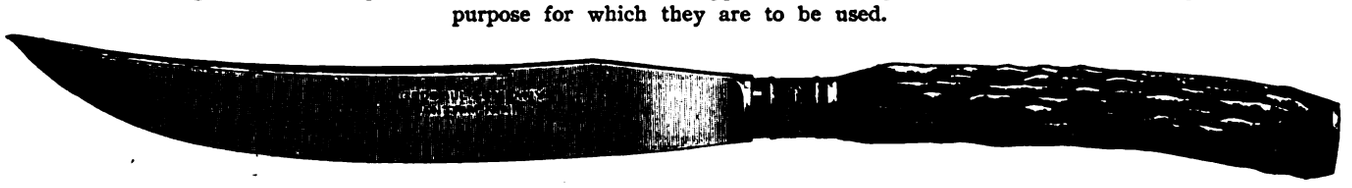
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Our business has grown out of all proportion to any other manufacturer of

CUTLERY IN THE U. S.

Is that while our goods are unsurpassed in finish and general appearance our special aim has been to adapt them to the purpose for which they are to be used.



In the matter of Carvers, your customer wants a Knife to cut with as well as to look at. All our Carver blades are made from carefully tested Butcher Knife Steel. They take and hold a fine cutting edge.

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TRADE UN*X*LD MARK.

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NORTHFIELD KNIFE CO.

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Hair Clippers

ALL KINDS UNDER THE

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Power Clippers, both hand & mechanical.
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Barbers Adjustable,
The best made.

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A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger. 10,000 in use. Send for Book of Discount on trees, and for list of Hay Racks, &c.



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Our scales have a national reputation for accuracy and finish.

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CHISELS | CARVING TOOLS
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"STAMPED WITH THE BUCK'S HEAD."
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS

BUCK'S HEAD.



TRADE MARK

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Our Latest is the Ormonde



And bears the 

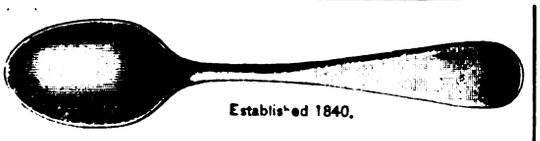
Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

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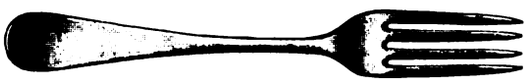
HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



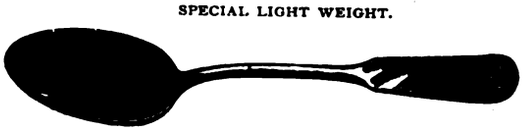
Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

No. 21. NICKEL SILVER SPOONS . . AND . . FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00



SUBJECT TO SPECIAL DISCOUNT. Bears the Trade Mark "HE Nickel Silver, No. 21."

MADE ONLY BY

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

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SEASONABLE GOODS FOR WHICH WE ARE AGENTS:

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Office, 35 Barclay Street. *Warehouse, 40 Park Place, New York.*

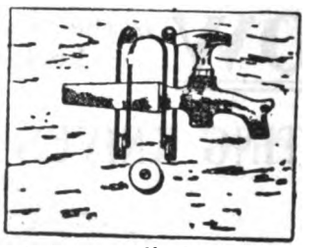
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Farming Tools sold for New York or factory shipments.
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Thompson's Sample Holder.



The best investment a Hardware store can make is to use this Holder for displaying samples. No old goods to rust on the boxes. If you display tools or shelf goods you are losing money without them. Send five cents in stamps to the manufacturers for a sample.

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House... ...Goods Supplies.

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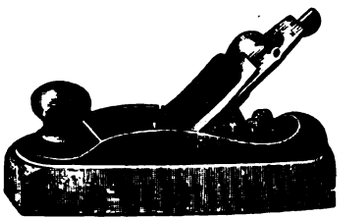
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Catalogues on Application

Send business card and mention "Hardware."

If you wish to learn something to your advantage, send for a sample copy of

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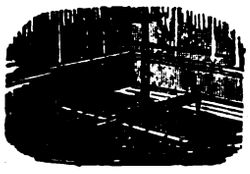


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The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

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and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

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R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

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We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



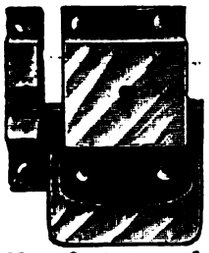
They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

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The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure Made for flush or raised doors, composed of brass or bronze metal, in any finish desired, plain or ornamental. MANUFACTURED BY

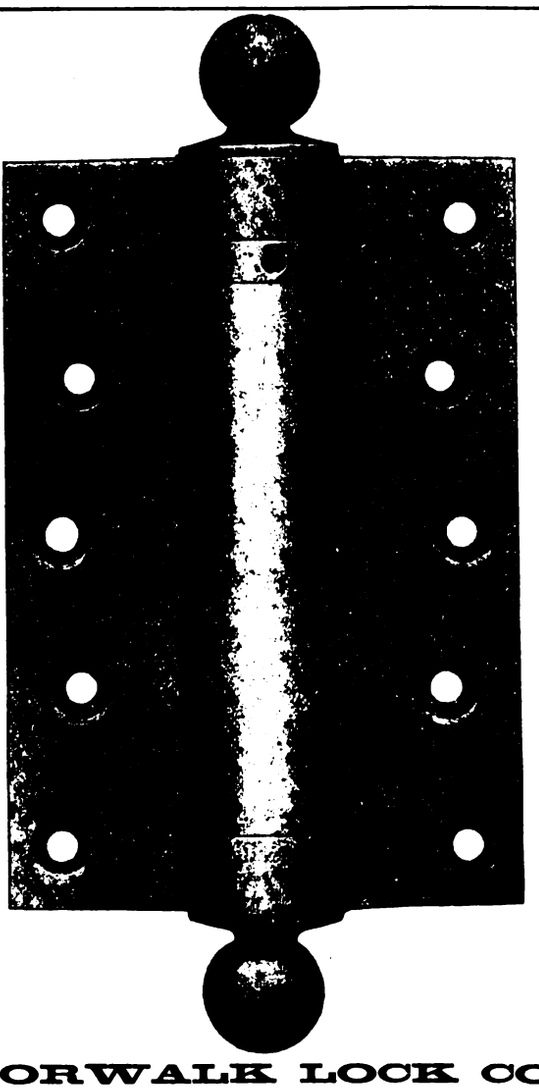
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Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

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NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

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Just What Every Manufacturer Wants!

The Reference Book

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Hardware and Kindred Trades of the United States and Canada.

THE Book contains, in the most condensed and convenient form possible, the Names and Ratings of all firms in the following Trades in the United States and Canada:

Hardware Dealers.
Dealers in Sporting Goods, Bicycles, Firearms, &c.
Agricultural Implement Dealers.
Stove Dealers.

Sent (Postpaid) on Receipt of

TWO DOLLARS.

CERTAIN marks are printed after each name, showing the line or lines of goods handled.

The work is complete, condensed and convenient, and will be found especially desirable in sending circulars, on account of the street numbers. The ratings enable the user to select names of any specified rating or over that may be desired.

In cities the lists are classified—Hardware dealers all in one condensed list, Stove dealers in another, etc. In most cases, in the Hardware list, are specified the special kind of Hardware handled, as Shelf Hardware, Cutlery, etc.

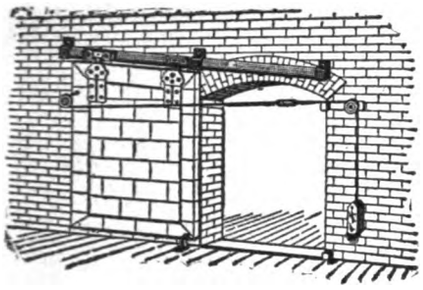
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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

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Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

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—WE MANUFACTURE—

Power Punches, Forging Presses,
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Special and Automatic Machinery Dies for all classes of work in sheet metals.

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THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

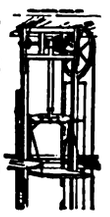
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Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS

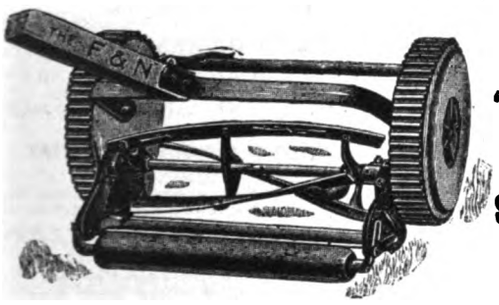


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"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometor Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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Manufacturers of

Screwdrivers, Can Openers, &c.
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Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardware-men with nothing else to divert their attention. : : : : :

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ZUCKER & LEVETT & LOEB CO.

OFFICES, 526, 528, & 530 W. 25TH ST.

NEW YORK, U.S.A.

SEND FOR CATALOGUE OF NICKEL & ELECTRO-PLATING SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

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We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

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Babbit Metal
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Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
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Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Clear Former
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Spelter Solder
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Stove Bolts
Stove Pipe
Stove Pipe Collars
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Tin
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Howard Iron Works,

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Manufacturers of

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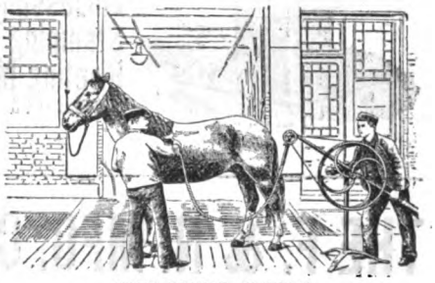
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Hand, Bicycle, Electric and Steam Power.

MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.

The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST and most DURABLE MACHINE made.

The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE

FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade. Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

Gillette Clipping Machine Co.,

201 East 23d St., New York.

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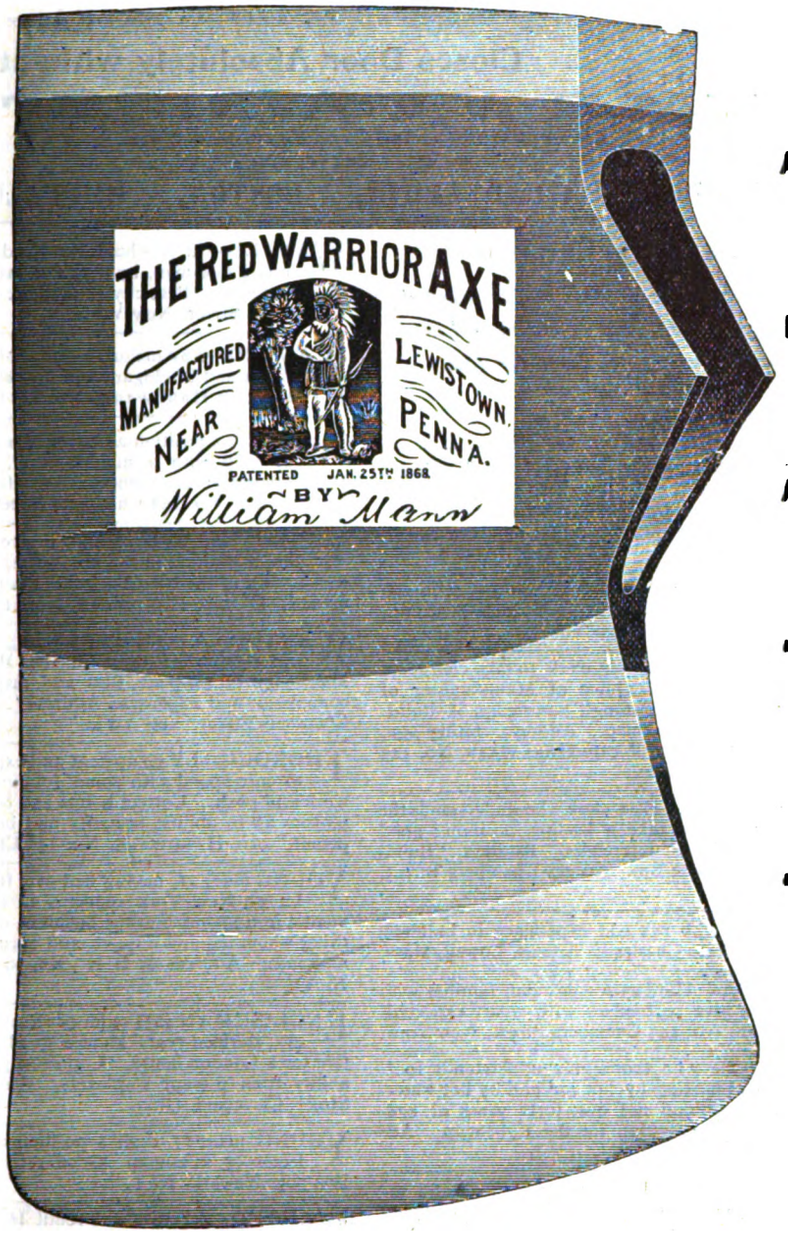
THE AMERICAN AXE AND TOOL CO.,

Telephone Number, 1023 Cortlandt.

253 BROADWAY, - NEW YORK.

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Brands of

AXES,
HATCHETS,
BROAD AXES
and
ADZES,
also
"BLOOD'S"
CHAMPION
and
"HUBBARD'S"
DIAMOND
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SCYTHES.

Beware of Imitations!

The name **WILLIAM MANN** appears on all genuine Red Warrior Axes.

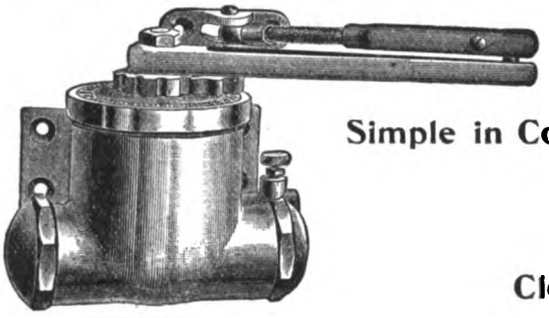
Grass Hooks, Corn Knives, Bush Hooks, Ice Picks, Ice Axes, Ice Hatchets and Firemens' Axes, Wood Chisels, Picks, Mattocks, Brick Hammers, Box Openers, Ice Chisels, Butchers' Handled Axes, Meat Hatchets.

ALWAYS IN STOCK.

Best Leading Brands of Axes and Edge Tools. Cheap Handled Axes. Medium Grade Axes. Boys' and Hunters' Axes.

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BLOUNT DOOR CHECK.



A PERFECT DOOR CHECK AND SPRING.
Correct in Design.
Positive in Operation.
Simple in Construction.
Easily Attached.
Perfect Adjustment.
Easy Action in Opening.
Closes Door Absolutely without Slam.

THE YALE & TOWNE MFG. CO.,
General Offices, 280 Broadway, New York.
WAREROOMS:
NEW YORK, CHICAGO, PHILADELPHIA, BOSTON, BUFFALO, SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

HARDWARE SALESMAN.—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address Baltimore Jobber, care Hardware, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care Hardware, No. 143 Chambers Street, New York.

WANTED—A thoroughly competent shipping clerk to take charge of shipping department in New York Office of Manufacturer of Builders' Hardware. A man who has a thorough knowledge of Builders' Hardware and is capable of managing help. Address, stating age, references and salary expected. "Energy," care Hardware, No. 143 Chambers Street, New York.

BY a prominent Hardware house, a first-class clerk who understands the builders' department competent to take a leading position; good address and able to give the very highest references. Address "Builders' Department," care of W. B. Fox & Bro., No. 97 Chambers Street, New York City.

WANTED—Hardware salesman who has had experience in builders' Hardware and cutlery. Address Charles E. Adams, Lowell, Mass.

WANTED—A first-class builders' Hardware salesman, familiar with fine Hardware and plans; give particulars with salary expected. Address Boston, care Hardware, No. 143 Chambers Street, New York.

WANTED—A good tinner. One who thoroughly understands roofing, spouting, job work, and heating by hot air and by hot water. Must be an American and temperate, and not over forty years of age. State wages for nine hours' work. Steady job for the right man. Address Geo Rome & Co., Carnegie, Pa.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care Hardware, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. Al references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care Hardware, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care Hardware, No. 143 Chambers Street, New York.

WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty ninth Street, New York.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care Hardware, No. 143 Chambers Street, New York.

WANTED a position as buyer of mill supplies and assistant manager of help with a manufacturer, by an American, 38, with sixteen years' practical experience. A1 references. Address "Buyer," care Hardware, No. 143 Chambers Street, New York City.

YOUNG man, 30 years old, twelve years' experience as salesman, desires a position in the Hardware, cutlery and sporting goods lines; well-known to the New York and Eastern buyers; good testimonials Address L. E, care Hardware, No. 143 Chambers Street, New York City.

WANTED—A position by a young man as traveling salesman who has an established trade in the Middle Western States. Thorough knowledge of tin-plate, files and rasps, builders' Hardware. Salary or commission and expenses. Address "Salesman," Hardware, No. 143 Chambers Street, New York.

THOROUGHLY competent and experienced traveling salesman wishes to correspond with some Jobbing house that will recognize hard work and push. Correct habits and best of reference from present employers as to ability, integrity and business capacity. Address "Competent," care Hardware, No. 143 Chambers Street, New York City.

YOUNG man, 21, having had over four years' experience with two well-known New York concerns in the builders' Hardware and ornamental iron manufacturing business, desires similar occupation, or anything which requires a quick and accurate figurer and writer Best of reference. Address A. B. H., No. 39 East 106th Street, New York City, N. Y.

ENGLISHMAN (27) requires situation as traveler—commission or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

YOUNG man, 27, desires position as Bookkeeper, correspondent collector or salesman. Good references. Address J. C. H., P. O. Box 307. Newark, N. J.

WANTED—A position as retail Hardware clerk by a young man of 23 years of age, with five years' experience and best of references. A position in Southwest Missouri, Texas or the South West preferred. Address W Lasar, No. 3004 Olive Street, St. Louis, Mo.

A GOOD pushing live salesman with practical knowledge of patented novelties, would like position either to handle agents or personally introduce new goods. Address R. D. R., No. 480 Washington Avenue, Brooklyn.

REPRESENTATIVE or salesman for manufacturing company, by a young married man at present holding responsible position, and desires to become associated with a concern where attention to business will insure appreciation; can furnish first-class references. F. D., No. 1122 Lafayette Avenue, Brooklyn, N. Y.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.
Patentee and Mfr, ISAAC CHURCH,
Send for Catalogue. Toledo, O

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Situations Wanted.

POSITION as salesman for tin-plate and metal house, by an American, who has had some eighteen years' experience at the Hardware, stove and tin business. Have full knowledge of the tinner's trade. Desires position with some good tin-plate and metal house. Will work to their interest, too. Am 34 years old. Let me hear from you what you can offer. Address G. H. S., Box 332, Madison, Ohio.

WANTED a position as traveler for Hardware Specialties, by a man of ability and experience; salary or commission. Address E. W., No. 1810 N. 13th Street, Philadelphia.

POSITION as traveling salesman. Pittsburg and West Pennsylvania, for Wire, Tin-Plate, Cast or Wrought Iron Pipe. Best of reference and long experience. Address Ernest C. Beatty, Box 897, Pittsburg, Pa.

A YOUNG Englishman (23) desires position in Hardware or cutlery, eight years' experience; 2½ London. Splendid references Wholesale or retail. James R. Bayley, No. 97 Varick Street, New York.

AS salesman, by a middle-aged man. Long experience in stoves, Hardware and house-furnishing goods. Understands all details. Tinner also. Will do any inside work. Location no objection. References. Moderate salary. Address "Capable," care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as clerk or salesman. Have had ten years' experience in wholesale Hardware and four years in wholesale gun and fishing tackle house. References as to character and ability. C. S., care HARDWARE, No. 143 Chambers Street, New York.

YOUNG business man, over four years' experience in ornamental iron and builders' Hardware lines. Best recommendations from two popular New York firms. Address Michael Hoffman, No. 39 East 106th Street, New York City.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping Clerk. Has had experience in the Hardware trade. First-class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

A MAN of 30 is open for engagement. Has had thirteen years' experience in the retail Hardware trade, having served in every capacity, and has a thorough knowledge of the business, including builders' Hardware. Address J. B. B., Box 192, Caldwell, N. J.

Side Line Wanted.

WANTED by traveling salesman for a large Hardware house, a side line of pocket cutlery, scissors, etc., visiting New York towns and cities. Address L. K. Wadsworth, South Butler, Wayne County, N. Y.

FOR SOUTHERN TRADE.—The undersigned, representing cutlery manufacturers, and making frequent visits to all the principal cities of the South, would like to represent some manufacturers of Hardware also. G. A. Seaver, No. 2717 Chestnut Street, New Orleans.

Side Line Offered.

WANTED—Salesman to handle as a side line, a first-class line of pocket cutlery and scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address L. M. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED salesman to handle as a side line a first-class line of Pocket Cutlery and Scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address R. S. T., care of HARDWARE, No. 143 Chambers Street, New York.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co , Canton, Ohio.

SALESMEN that canvas the retail Hardware trade in New York, Pennsylvania, Ohio, Michigan and Indiana, and want a good side line, address, stating territory covered and class of goods now selling, "Side Line," office of HARDWARE, No. 143 Chambers Street, New York.

WANTED salesmen having established trade with jobbers and large retailers to sell on commission a line of patented and well-known night latches. Address, giving names of towns visited, with references, "Latches," care HARDWARE, No. 143 Chambers Street, New York.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to introduce and sell our new ratchet shutter bowers to the Hardware and house-furnishing stores throughout the country. A good commission paid and exclusive territory given. Sample free. Write for particulars. Walter Smith & Co., Juliustown, Burlington County, N. J.

WANTED—Traveling salesman to take a good line of white metal spoons and forks and other novelties as a side line on commission. Call or address M. L., Room 1, No. 221 Fifth Avenue, Chicago, Ill.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

Hardware Store Wanted.

TO purchase a retail Hardware store with a moderate sized stock, having a good location in a live, growing town. Must have a good trade, and doing a good business. Address JOHN R. SWARTZ, Hughesville, Pa.

Agencies for Hardware Specialties Wanted.

AN old-established firm of advertising agents and contractors in the city of London, England, doing business with the leading advertisers of the United Kingdom, are open to accept sole agencies for the United Kingdom for embossed steel or enamelled iron goods, which are suitable for large advertisers, or any novelty in the advertising line for inside or outdoor exhibition. Apply by letter to C. A. H., Room 25, Times Building, New York.

EXPERIENCED cutlery and Hardware salesman, about to locate in San Francisco, wishes to correspond with manufacturers in those lines, with view to representing them on the Pacific Slope. Address Rhoads, care HARDWARE, No. 143 Chambers Street, New York.

Export Agency Wanted.

GENTLEMAN of wide experience and undoubted integrity will shortly remove to Germany, and desires to represent American manufacturers abroad. Propositions may be addressed to "Export," care W. H. H. Hull & Co., Tribune Building, New York.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

Patent for Sale.

FOR SALE: One-half or whole of United States and Canada patents, recently allowed on the only Adjustable Ratchet Monkey Wrench now made. Demand great. A big winner. Address Owner, No. 231 S. Lincoln Street, Chicago, Ill.

For Sale.

FOR SALE—In one of the best manufacturing towns in Ohio, a stock of Shelf and Builders Hardware, Paints, Oils, and Agricultural Implements; stock will invoice $17,000 to $19,000; clean and in good shape. Store does a business of $40,000 per annum. Apply to T. B. Rayl Co., Detroit, Mich.

FOR SALE in Philadelphia, Pa., the Lease, Goodwill and Fixtures of the old established House Furnishing and 5 and 10 cent store at No. 127 North Eighth Street. This is cream of location; and if you are looking for such a store this is one of the few opportunities. Address E. Frey, No. 127 North Eighth Street, Philadelphia, Pa.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

For Sale or Rent.

A NEW, large manufacturing plant, hitherto used in manufacturing reapers and mowers, but well adapted to other uses; thoroughly equipped wtth machinery, tools and appliances of best modern make, all ready to steam up and run; at St. Louis Park, just outside of Minneapolis, Minn., with street car connections; the property being situated alongside of the Minneapolis & St. Louis, and Chicago, Milwaukee & St. Paul railroads with switch connections. For particulars address Geo. C. Squires, St. Paul, Minn.; C. F. Forster, 638 Rookery, Chicago, Ill., or John Little, Xenia, Ohio.

To Rent.

TO rent at New Rochelle, N. Y., a store in the best business part of town. A good opportunity for a live man. Addrees H. E. Colwell, agent; or E. Lambden, Jr., owner.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

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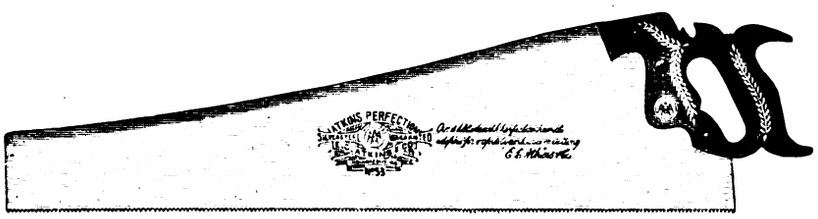
E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES } Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

MANUFACTURERS

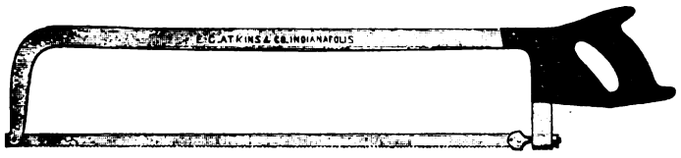
The Atkins SILVER STEEL SAWS.

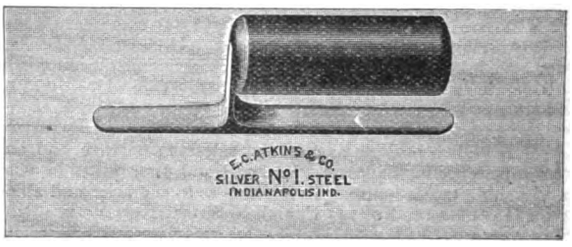
SILVER STEEL



THE BEST SAWS MADE.

THE ATKINS "PERFECTION" SAW, No. 53.





The Sterling Emery Wheel Mfg. Co., Tiffin, O.

EASTERN AGENT:

L. BEST,

45 Vesey Street,

New York.

CUTTER, WOOD & STEVENS,

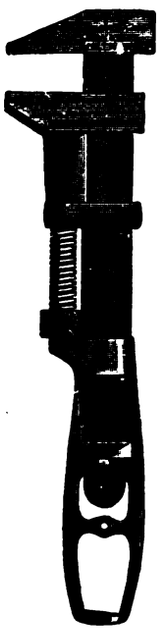
131 Pearl Street,

Boston



MANUFACTURERS OF

Emery AND Corundum Wheels.



L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

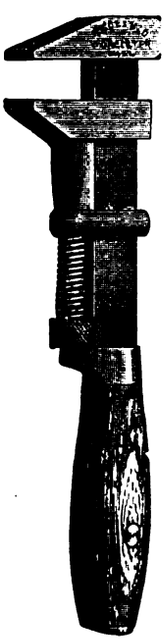
Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839. Registered March 31, 1874. Patented July 6, 1880. Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.



WE PAY THE FREIGHT.

Instead of trying to crowd our goods upon an unwilling market the past two years, we have been working for better processes—to make **better goods for less money,** and now "we have got there with both feet." Our **pails are larger** than other makes, yet **cost no more.** Made of **strong fiber, wound,** and **steel bound,** they don't split open, nor chip off at edges. They have a **chime** you can **catch on** to, and a truss bottom that don't warp, loosen or leak.

All "Standard" Pails, Slop Jars, Spittoons, Wash Basins, etc., are **water-proofed** and **indurated throughout** by our newly applied process, and are **absolutely unsoakable.**

An **Ebony enamel,** hard and smooth, gives "Standard" ware an **attractive** appearance, and a **durable** finish. **Scores of families** in every county will use it largely if it can be got "at the store." **Do you want their trade?** Lots of 100 lbs. or more, delivered f. o. b. cars, at their depot, to all responsible dealers.

SPRINGS—RIVETS.

Specialties in

SHEET METAL WORK,

CLOCK and INDICATOR POINTERS.

CLARK & COWLES, Plainville, Ct.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890.40&10& 10@40&10&10&10 & 5%

GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.55
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$2.00
Dust Shot, 5-lb bags, ₩ bag....$ .50

POWDER—
Laflin & Rand:

Rifle extra, kegs	25 lb	$3.25
	12½ lb	1.90
	6¼ lb	1.10
Rifle special, kegs	25 lb	4.25
	12½ lb	2.40
	6¼ lb	1.35
Creedmoor, kegs	6¼ lb	1.10
Ducking, kegs	6¼ lb	3.00

(For 1 lb. lb lots 10% discount.)

Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 2.75
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.65
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... .95
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Meaied Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success .....₩ doz. $3.80
Galien Safety.. .....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75

Anvils—

Eagle Anvils, ₩ lb 9c.....15@15&5%
Peter Wright's.....1 @10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9½c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4 00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16		22-16	24-16
$10 00	$11.00		$12.00	$14.00

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 80.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist..... 45%
Russell Jennings' Augers and Bits, 25& 10%
Jennings' Pat. Car Bits...50@50& 10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals, 45&10&10%
Brace twist drills for wood, 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....30&10&10%

GIMLET BITS—
Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal.50&10&5@60&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....4@40&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg ₩ gr.....$1.50@$1.55
Pat. Peg ₩ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. ₩ gr...$1.30@$1.40
Handled Brad, ₩ gr.....$2.50@$3 00
H'ld Scratch ₩ gr.....$4.00@$4.50
Socket Scratch ₩ doz....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands.$5.25@5 50
First quality, other " $4.75@5.00
Beveled add 50c ₩ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances..50& 5@60%
Common 24 lb.....₩ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₩ doz. 75c 83c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%

Beef Shavers—

Enterprise.....25%

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's .....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s..... 60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list,.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...6 ⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War, 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....30%
Millers Falls ₩ doz. $4.50.....25%

Bit Holders—

Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ doz. $20.00....60&5@60&10%

Blind Adjusters—

Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1 00.....20%
Austin & Eddy ₩ gro. sets.....$5.50
Gorhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $1.00..20@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65& 10@65&10& 5%
Ives' Patent Door Bolts...60&10& 5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all Iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70% 60@60&10%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com. Jan. 30, '95.....65&12½%
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila., Eagle, list $2 40.....80%
R. B. & W., old list.....70&10&3%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....70&10%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....70%
B. R. & W., list Oct. 16, '94.....80%

STOVE AND PLOW—
Stove.....70%
Plow.....10&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....70%

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 50@ 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 20%

Bow Pins—

Humason, Beckley & Co.'s 70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co 60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American.$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30..... 60%
Nos. 117, 118, 119.....70@70&7½%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....80&10@80&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Kell & Son..40%
Norwich Lock Mfg. Co. Bronze..30%

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5%
Fast Joint, Broad 50&10@50&10&10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@8 %
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@7 &5%
Loose Pin, Acorns, Jap. 70&10@7 &5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....5&10@80%

WROUGHT STEEL—

List, April 1, 1895.
Narrow, No. 800.....
Narrow, Loose Joint, No. 802..
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No. 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No. 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 825.....
Extra Light, No. 826.....
Light Reversible, No. 834.....
Light Loose Joint, No. 836.....
Wardrobe, Ger. Pat. No. 837⅓.
Light Narrow, No 838.....
Loose Pin, Light Nar., No. 840.
Light Inside Blind, No. 842....
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 832.....
} 75&5@75&10%

Can Openers—

Messenger's Comet..per doz $3.00, 25%
American.....per gross $17.50@$2.00
Dunlap's Iron Handle, No. 3 per gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, Iron Handle. per gr....$2 20@2 25
Eureka.....per doz. $2.50.....10%
Sardine Scissors...per doz. $2.75@3.00
Dunlap's Sardine Scissors, per doz. $5.00....25%
Star.....per doz. $2.75
New Sprague, Metallic Handles, per doz.....50c
New Sprague, Wood Handles, per doz.....60c
World's Best, per gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50&10%
Electric Rotary Expansive, per gr $9.00
Goodell's Acme, per gr. $8.00; per doz.75c
Universal, per doz. $3.00.....55&5%
Domestic, per doz. $2.00.....45%
Champion, per doz. $2.00.....50%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense per gro $7.00.....50%
Kohler's Cyclone.....per doz. 75c
Kohler's Lightning.....per doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@25%
Cotton.....2 @25%
Wool.....2 @25%

Carpet Stretchers—

Cast Steel, Polished.....per doz. $2.25
Cast Iron, Steel Points, per doz.75@90c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....per doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....per doz. $36.00
Gold Medal.....per doz. $27.00
Prize.....per doz. $27.00
Premier.....per doz. $27.00
Superior.....per doz. $27.00
Cosmopolitan.....per doz. $27.00
Furniture Protector, Japanned.....per doz. $24.00
Furniture Protector, Nickel.....per doz. $27.00
Inter Ocean.....per doz. $27 00
Hall.....per doz. $48.00
Crown Jewel, Japan finish, per doz $9 00
Crown Jewel, silver bronze trimmings, per doz.....$20.00
Crown Jewel, nickel trimmings per doz.....$21.00
Excelsior.....per doz. $22.00
Garland.....per doz. $18.00
Grand Rapids, Jap...per doz. $24.00
Grand Rapids, Nick..per doz. $27.00
Housewife's Delight..per doz. $15.00
Improved Parlor Queen Japanned.....per doz. $24.00
Improved Parlor Queen Nickeled.....per doz. $27.00
Standard.....per doz. $24.00

Bissell Carpet Sweeper Co. make the following rebates: $1.00 per doz. in 5 doz. lots, $2.00 per doz. in 10 doz. lots.

Casters—

Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&10%
Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50%
Yale Gem.....70&10%
Giant Truck Casters.....35%
Stationary Truck Casters.....50&10%
Socket Truck Casters..45&10@45& 10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....60@5%

COW TIES—

American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

American Coil, in cask lots at fact

3-16	¼	5-16	⅜	7-16	½	⅝	¾
$6.75	8.00	4.00	3 75	3.50	3.40	3.30	3.15

Less than cask lots, add ¼c @ ½c per lb.
Trace, Wagon and Fancy Chains, 60&10&10@70%
Covert Mfg. Co.....45%
German Coil.....70@70&10%
German Halter Chain....70@70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&5%
Covert Mfg. Co. Chains.....45%
Galvanized Pump Chain, with Buckets.....6¼@6½%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 80&5@80&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to 2
Spear & Jackson's.....$5 to 2
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, per lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....50%
Skinner's Pat. Comb. Chuck.....40%
Drill.....3%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 50&10%
Carriage Makers', Sargent's..50& 1.@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .... 2 & 0%

Cleavers—

Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse). 3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10& 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&10@80&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List .....6 @60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s: Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg. Co. 40& 10@50%
Williamson's.....33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....per doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N R. G. Gloves...per doz. $12 00
No. 125 Gloves.....per doz. 4.50
No. 125 Gloves.....per doz. 6.00
No. 150 Gloves.....per doz. 9 00
No. 155 Gloves.....per doz. 8.00
No. 146 Gloves.....per doz. 9.00
No. 152 Gloves.....per doz. 7.50
No. 142 Gloves.....per doz. 7.00
No. 138 Gloves.....per doz. 6.00
No. 052 Gloves.....per doz. 8.00
No. 147 Gloves.....per doz. 4.50
Wrist Supporters.....per doz. .75
No. 160 Husking Pin..per gro. 7.00
No. 165 Husking Pin..per gro. 10 50
No. 170 Husking Pin..per doz. 2.00
Hubbard's Solid Steel. per gr 6.00 33⅓
Perkins Boss:
Styles A and B, per doz. $2.00; E, $1.75.....6%
Wrist Supporters.....per doz. 75c
Mittens.....per doz. $1.50
Ashtabula.....per gro. $2.50
Brinkerhoffs.....per gro. $15.00
Buckeye.....per gro. $4.00
Cleveland.....per gro. $7.50
Johnson's.....per gro. $6.50
Universal.....per gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....per gro. $3.75
Emerald.....per gro. 5.00
Oriole.....per gro. 5.00
Rainbow.....per gro. 2.81
Solid.....per gro. 7.50

Curry Combs—

Spring, Jap'd per doz $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber, per doz. $7.00.....20@10%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....per doz. $1.75
F. E. Kohler & Co.'s Humane per doz. $1.60
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5 $1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, dos.....40&10%
Nickeled Shank 4 4½ $1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)..50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....5 %

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

SPARK COIL—

Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan., 1892.....33⅓%

Door Springs—

Torrey's Rod, 39 in, per doz $1.20@1.25
Bee Rod per gr., $20.00.....20%
Warner's.....60@5&5%
Gem (Coil), list April 19, 1886. 25&10%
Star (Coil), list April 19, 1886. 20&10 &10%
Foster's (Coil).....20%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, per doz, $18.00; No. 2, $15.00.....60@50&10%
Rubber, complete, per doz. $5.50, 66⅔@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 80@80&10%
Merrill.....60&10@90&10&10%
Douglass.....75@75&10%
Watrous.....15&10@35%
L. & I. J. White.....25&5@35%
Bradley's.....35%
Adjustable Handle.....25@33⅓&5%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1 75
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $3.00..25%
Breast, Bartholomew's No. 12, ₱ doz.....$1.00
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's..... 2 @70&5%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting..33⅓%
Whitney's Hand Drill. No. 1, $10.00; Adjustable No. 10, $ 2.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1 75@1 85
Stearns' Bench.....5@ 0&10%

TWIST DRILLS -

See Augers and Bits.

Egg Beaters—

Dover (Dover Stamping Co) ₱ doz $1.00; per gross.....$10.50
National, ₱ doz $4.50.....33⅓%
Fan.17 (T. & S. Mfg. Co.) ₱ gro $17.00 @$18.00
Duplex (Standard Co.)...₱ doz $1.00
Rival (Standard Co.).....₱ doz $1.00
Duplex Extra Heavy (Standard Co.) ₱ doz $3.50
Triumph (T. & S. Mfg. Co.), ₱ gro $10.50 $11.00
Ayre's Spiral.....₱ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₱ lb..4½c	5c	3c	
½ kegs, ₱ lb.4½c	5½c	3½c	
¼ kegs, ₱ lb. 5c	5½c	3½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans, less than 10.. 10c	10c	8c	

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....70%

Enameline—

No. 4, ₱ gro.....$4.50
No. 6, ₱ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—

John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL. 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₱ doz. $36.00.....33⅓%
Lane's ₱ doz. $36.00.....4%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No 5.	No 5x.
Water Pails, 12 qt ..	$3.00	$3 50	$4.00
Dairy Pails, 14 qt. $3.30.		4.00	
Fire Pails, No. 2, 14 qt.	4.00		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy).....	3.70		
Buggy Pails (short and light).....	2.75		
Prison Pails (with cover).....	6 50		
Slop Jars (bal. trap), No. 5 and 5x, 14 qt ...	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt...	5 50	6.50	7.50
Commode Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)..	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls.....		3.70	4 00
Pitchers.....		5.00	5.50
Milk Pans (Old Gold, in No. 5).....		2.00	2.50
Fruit Bowls.....		1.90	2.10
Keelers, 11½ inch.....		2 80	3.30
Waste Paper Baskets, 13 inch high.....		4.00	4.50
Mats, 8½ inch (for table use).....	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc.....	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)...	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)...	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high.....		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed).....	3.50	4.00	4.50
Spittoons, 10 1nd 11½ inch	4.70	5.00	5.50
Peck Measures	3.00		
Half Peck Measures...	2.50		

Files—

DOMESTIC—

Best Brands.....60&10&10@70%
Good Brands.....70&5@70%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&10&10%

IMPORTED—

Stubs.....Stubs' list, 25&30%

Filters—

Seed's Water Filters:
A 1, $4.50 | No. 2, $2.50 | No. 3, $1.75 | No. 4, $ .90 ₱ doz.

Fish Hooks—

Amer. Fish Hook Co. list.%@60&10%
Kirby & Limerick, low list (60c base).....10%

Fluting Scissors—

List.....45%

Forks—

Hay, Manure, &c., Asso. List....75%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65%
White Mountain.....60@60&10%
Ohio.....60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—

Standard List:

No.....	0	1	2	3	4
₱ doz..$3.00	$3.75	$4.25	$4.75	$5.25	
No.....	5	6	7	8	
₱ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...7%@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20.....
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....25%
Wire, Brown & Sharpe's.....1 @ 20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₱ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@.0& 10& 5%
"Diamond" Gimlets ₱ gro....$1.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...6%&70&10&5%
Double Cut, Douglass'....40&10&10%
"Bee," ₱ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25& 5@35%
Le Pages Liquid..... 25@30%

Glue Pots—

Tinned.....10@50&10%
Enameled.....10@50&.0%
Family, Howe's "Eureka".....4%
Family, L. F. C.'s "Handy".....50%

Graters—

Enterprise.....25%

Grindstones—

Family..... .....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent..70&10@7 &10&10%
P., S. & W. Co.....50&10 &10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₱ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters 33⅓%
Web and Rope Halters ..33⅓ &5%
Horse and Cattle Ties.....33⅓&2%
Upson & Wooding.....40%

Halter Leads—

Covert Mfg. Co.....45%

Hammers—

HANDLED HAMMERS—

Maydole's.....25&1 @2% & 0&10.
Buffalo Hammer Co....
Humason & Beckley...
Atha Tool Co.....
} 5 &10@6 %
C. Hammond & Son. List..4 &10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75 ..... 30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25& 10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₱ doz..... Nos. 1, $3; 2, $6..... .....33⅓%
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₱ doz. $6.25.45%
Upholsterers Heavy, ₱ doz. $7.60 45%
Upholsterers Usual French, ₱ doz. $10.00.....45%
Upholsterers Solid Steel, French ₱ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₱ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₱ lb 40c
3 to 5 lb.....₱ lb 36c
Over 5 lb.....₱ lb 30c
} 75@75&5%
Wilkinson's Smiths...10c@10½c₱ lb

Hammock Ropes—

Covert Mfg Co.....45%

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....$	.90	1.00	1 03	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@ 50&10&10%
Roggin's Latches ₱ doz.....22c@30c

STORE DOOR HANDLES.—

Japanned Nuts.....$1 62
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—

Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....10&3%
Brad Awl .....₱ gr. $2.00
Hickory Firmer Chisel, as ₱ gr 4.50
" Firmer Chisel, large ₱ gr 5.00
Apple Firmer Chisel, as.. ₱ gr 5.00
Apple Firmer Chisel, large ₱ gr 6.00
Socket Firmer Chisel, as, ₱ gr 3.00
} 40&10&5%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₱ gr 2.75
Auger, assorted ...₱ gr 5.00
Auger, large.....₱ gr 7.00
} 50%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₱ set $1.25
Pat. Auger, Swan's.....₱ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc .60&10@60% & 10&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.80%
Champion ....4%@45&10%
Sensible.....₱ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track..55%
U. S. Wood Track.....65%
Champion .....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $2.00; No. 3 $25.0"; No. 4, $35.00.. .... 7 %
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction.60&10@60&10&5%
Duplex (Wood Track).....60&10&5%
Terry's Ideal.....6%&10%
Terry's Modern..... 6 %
Terry's Modern, Covered.....60%
Terry's Safety..... 6 &5%
Terry's Solid.....60&10&10&5%
Terry's Wrought..... 6 &1 &10%
Munger Hanger.....20&10%
Davis Parlor Door..... 50@5%&5%
Cronk's Steel cov'd Anti-Fric....6 %
Cronk's Acme, Flat Steel ₱ doz. $7.60..... 75%
Queen City Reversible...75&10&5%
Felix, ₱ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....2 &10&10%
Stearns' Challenge..... 50@5%&5%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&5@50&10%
Barry, $6.00..... 5 &10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning, from jobbers.$6 5(@$7.50
Gem.....₱ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₱ doz $11.50@$12.00
Heath's.....₱ doz $13.5(@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₱ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T .....50@80&10%
Corrugated Strap and T..8 @80&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap.
6 to 12 in., ₱ lb 3 c
14 to 20 in., ₱ lb 2 ½c
22 to 36 in., ₱ lb 2 c
Rolled Blind Hinges Nos. 32 and 34 50&10@.0&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....40&10&10%
Plate Hinges "Providence" 6 to 12 in. ₱ lb, 5c. 14 to 36 in. ₱ lb, 4c.

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise 55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
American.....20%
Empire and Crown.....20%
Stover Ideal ₱ gro..... .....$13.00
New Idea, No. 1, ₱ gro.....$12.00
New Idea, No. 2, ₱ gro.....$24 00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting..... ...25%
Union Mfg. Co.....25%
Bommer's.....35%
Buckman's..... .....25%
Chicago.....30%
Wiles' No. 1, ₱ gr., $16.00; No. 2, $13 00
Devore's No. 1.....₱ gr. $13.00
Rex.....₱ gr. $13.00
Royal Japanned.....66⅔%
Royal Bronze.....40%
Reliable.....60%
Champion 60%
Matchless No. 10.....70%
Victor..... .....₱ gr. $10.00
Torrey..... .....80%
Rubber..... .....66⅔%

GATE HINGES—

Western, ₱ doz $4.20, 60&10@60&10 &5%
N. E...₱ doz $7.80, 6%&10@30&10&5%
N. E. Reversible..₱ doz $5.60, 6 %& 10@60&10&5%
Clark's Nos. 1, 2, 3.....70@75&5%
N. Y. State..₱ doz $4.90, 6 &10@60 &10&5%
Automatic.....₱ doz $12.50, 50%
Kell's Superior.....20%
Common Sense..₱ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3.60&10@60&10 &5%
Sargents.....60%
Reed's Latch and Hinges..₱ doz $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—

Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%

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Nicholson.....45&10%
Huffer.....60&10@6 & 10&10%
Clark's Nos. 1, 3, 5, 40 and 50.75&10 &5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 3, 5, 11, 12, 75@75 10%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&2½%

Hitching Cords—

Covert Mfg. Co.....45%

Hoes—

HANDLED—

Garden, Mortar, &c.....75@33⅓%
Planter's Cotton, &c.....80&2½%
Warren Hoe.....60&10%
Magic.....₩ doz $4.00
Dunlap's:
Boys'.....8@&10%
Ladies'.....80&10%
Toy.....80&10%

EYE—

D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.30&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat.....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—

IRON—

Stove Hollow-ware; Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Maslin Kettles.....75&10@80%
Boilers and Saucepans..6 @ 0&10%
Tinned Boilers and Saucepans. 6 @ 60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware...60&10%
Rustless Hollow-Ware.....60@60&5%
Triumph Broilers.....50%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&15&5%
Rogers & Brother.....40&15%
Hartford Silver-Plate Co....40&5&2½%
William Rogers Mfg. Co...40&15&5%

Hooks—

CAST IRON—

Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list.
} 60&10&10 @70% 5 &10%

Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....50&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60 &10&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—

Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz.....60c

MEAT—

Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%

WIRE—

Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat, "Cree't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50@50&10%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....50&10@50&20%
Handy Coat and Hat.....60@50&10%
Steady Ceiling.....60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—

Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush.....50@50%
Wnffletree—Premium.....60%
Hooks and Eyes—Malleable Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam.....	23c	21c	20c	19c	18c	....15%
American..	9½	9½	9½	9½	9½	....net
Ausable.....	28c	26c	25c	24c	23c.	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	.30&5%
Essex.....	28c	26c	25c	24c	23c.	40&10@10%
Lyra ...	9½c	9½c	9½c	9½c	9½c., net	
Snowden,	9½c	9½c	9½c	9½c	9½c., net	
Vulcan.....	23c	21c	20c	19c	18c.....	25%
Northw't'n.	25c	23c	22c	21c	20c.	25@25&5%
A. U.....	25c	23c	22c	21c	21c.	40&10%
C. B. K.....	25c	23c	22c	21c.	21c	40%
Maud S.....	25c	23c	22c	21c.	21c	50&10&5%
Champlain..	28c	26c	25c	24c	23c	40&5&2%
Saranac.....	23c	21c	20c	19c	18c..	40&5%
Champion..	25c	23c	22c	21c	20c.	40&5&2%
Capewell...	19c	18c	17c	16c	16c..	10&5%
Anchor.....	23c	21c	20c	19c	18c.....	35%
Western....	23c	21c	20c	19c	18c.....	50%
Empire Bronzed.....						10@10½c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co.....45%

Hose, Rubber—

Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10&5%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—

Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Jack Screws—

See Screws.

Kettles—

Spun Plain Brass.....25&5%
Spun Brass, plated inside with White Metal.....20&5%
Stamped Brass Kettles, ₩ lb 19@20%

Keys—

Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@ 60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—

Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....25@ 0%
Goodell's Shoe Knives.....40%
Goodell's Bread KnivesAss'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—

Door Mineral.....55@50%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—

Sargent's.....60&10@60&10&5%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—

New Easy.....@6 &10& 60 &1 &10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%
Philadelphia, Styles O. & M., D. G. U. & S. B., Self-adjusting C. & L., High Wheel.....70&10%
Philadelphia, Style A., all Steel, 60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—

Enterprise.....25%
Gibbs' Arc.....₩ doz. $10.00
Gibbs' Hustler.....₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00..40%
No. 4, $7.00 each.....33⅓%

Lemon Squeezers—

Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 20&10%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%

Letter Box Plates—

Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—

C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $5.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....30%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....4½%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—

DOOR LOCKS, LATCHES, &C.—

R. & E. Mfg. Co., list March 20, 1889.....60&10@70%
Mallory, Wheeler & Co., list July, '88.....60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94..60&10 @6 &10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓%
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Delts Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....50&10%
Shepardson or U. S.....35%

CABINET—

Cabinet Locks.....60&10@70%
Eagle Lock Co.....25&10%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 22 to 29.....40%
Dietz, Nos. 41 to 75.....45%
Dietz, Nos. 87 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40@40&10%

PADLOCKS—

Wrought Iron.....70&10@80%
Gem. Corbin Cabinet Lock Co.40&2%
Eagle.....40%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 01.....40&5%
Scandinavian.....90&40@90&40&10%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ₩ doz. $9.00...50@50&10%
Barnes Mfg. Co.....50@ 0&10
Nock's.....30&10%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 109 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 108, inclusive.....50%
Ames Sword Co. above No. 108, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....30%

Mallets—

Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—

Regular list.....70&10@75%

Meat Cutters—

Dizon's.....₩ doz 40%

Nos.....	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ₩ doz.....33⅓%

Nos.....	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70@70&5%

Nos.....	11	12	13
	$37.00	$38.00	$45.00

American.....30%

Nos....	1	2	3	4	5
Each..	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.....	1	2	3
Each.....	$3.00	$3.75	$4.00

Enterprise.....25&30%

Nos.....	10	12	22	32	42
Each...	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&10%

Nos.....	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ doz $36.00.....60%
Draw Cut, each:

Nos....	5	2	6	8
	$50	$75	$80	$225.....	30@25%

Beef Shavers (Enterprise).....25@30%
Little Giant.....50&10%

Nos.	305	310	312	320	332
	$35.00	$42.00	$44.00	$72.00	$98.00

Chadborn's Smoked Beef Cutter, ₩ doz $36.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.
Wire Nails and Brads, Patented, Association list, May 1, 1893, 8 & 10@8 &10&10%
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—

Brass Head, Sargent's list, 70&10@ 70&10&5%
Brass Head, Combination list, 50& 10%
Porcelain Head, Sargent's list, 50& 10%
Porcelain Head, Comb'n list, .40&10%
Niles' Patent.....40%

FURNITURE—

Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....35%

Nail Pullers—

Black Hawk, per doz.....$9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $15.00, 2@10%
Giant, No. 2.....₩ doz $15.00, 2@10%
Pelican.....₩ doz $9.00, 25&10%
Lightning.....₩ doz $18.00, 20%
Scranton No. 2.....₩ doz. $10 00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point₩ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....50%

Nuts—

Cold Punched, Square....4¾c off list
Hex.....5c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped.....50%

Oilers—

Zinc and Tin.....70&10@75%
Brass and Copper.....50&10@60%
Malleable. Hammers, Improved 10&5%
Malleable, Hammers, Old Pattern, same list.....50&10@60%
"Perfect Pocket Oilers, 2oc. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc,....70%
Prior's Pat. or "Paragon Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 85c

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Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ %

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¼ to 2⅜ to ⅝ at back, ⅛ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%.
Pike's Washita Mounted:
3x2, ₩ doz.....$12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1⅛ " 7.00
3½x1 " 5.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1⅛, ₩ lb.....24
" 2x2x½, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x⅝ to 1, ₩ lb.....2.80
No. 1, 5½ to 8x1¾ to 2x⅝ to 1, ₩ lb.....3.50
No. 1, 8 to 12x1¾ to 2x⅝ to 1, ₩ lb.....4.00
No. 2, 3 to 5½x1¾ to 2x⅝ to 1, ₩ lb.....1.00
No. 2, 5½ to 8x1¾ to 2x⅝ to 1, ₩ lb.....1.50
Discount 33⅓%
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
2x2 in.....₩ doz $ 0.00
7x2 in.....₩ doz. 35 00
6x2 in.....₩ doz. 30 00
5x2 in.....₩ doz. 24.00
4½x ½ in.....₩ doz. 14 00
3-x1 in.....₩ doz. 9 00
4x1 in., on Mahogany Handles.....₩ doz. 7 00
3½ in., in Vulcanized Rubber case.....₩ doz. 12.00
Discount 33⅓ & 10%
Pike's Arkansas Round Edge Slips:
No. 1 reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x⅛ to ⅜ in edge, ₩ lb.....$4 00
No. 1 small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x⅛ in to sharp edge.....₩ lb 6.00
No. 2 assorted sizes.....₩ lb 2.50
Discount 33⅓%
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1½ ⅜ to ⅝ ₩ lb.....4.00
No. 2, assorted sizes, ₩ lb.....2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x⅝ to 1 in.....₩ lb, $1.50
No. 1, 5½ to 8x1¾ to 2x⅝ to 1 in.....₩ lb, 1.70
No. 1, 8 to 12x1¾ to 2x⅝ to 1 in. ₩ lb.....1 90
No. 2, 3 to 5½x1¾ to 2x⅝ to 1 in.....₩ lb, .50
No. 2, 5½ to 8x1¾ to 2x⅝ to 1 in.....₩ lb. .70
Discount 33⅓%.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1 reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x ⅛ to ⅜ in. edge, ₩ lb.....$2 50
No. 1, small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x ⅛ in. to sharp edge.....₩ lb, 4.00
No. 2, assorted sizes.....₩ lb, 1.00
Discount 33⅓%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1½x⅜ to ⅝ in.....₩ lb, $2.50
No. 2, assorted sizes.....₩ lb 1.00
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 3x2x¾ to 1¼, ₩ lb .08
Washita Finish, about 3x2x¾ to 1¼, ₩ lb.....10
Round Edge Slips, about 6x1¼ to 2x½ to ⅝ back x ⅛ to ¼ edge, ₩ lb.....20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb.....12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross.....8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross.....20

Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb.....08
Small Axe, about 3x2x½ to 1 ₩ lb.....10
Special Axe, 2½x1½x¼ ₩ lb...18
Pike's Sandstones:
Small, 3x1¼x1¼, weight about 1 lb, ₩ lb.....05
Medium, 3 x 1½ x 1⅛, weight about 1½ lb, ₩ lb.....05
Large, 3x1¾x1¼, weight about 2 lb, ₩ lb.....05
Small table, 10x2¾x3¾, weight about 4 lb.....₩ lb. ...06
Large Table, 10x3¾x5 " 06
Pike's Turkey Stone:
No. 1, assorted from 5 to 8 ₩ lb .50
Extra, " ₩ lb.....8
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per lb 70c.....40%
Boston "Phœnix" Red Sheet, per lb.....50c. net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N.Y.B. & P. Co., 1846-Para....40&10%
N.Y.B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....10@5%
Standard, Fair Quality.. 70&10@75%
Extra.....60&10@60&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₩ lb 80c 2@25&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ lb
Russian Packing.....13c@14c ₩ lb
Italian Packing.....12c@13c ₩ lb
Cotton Packing.....14c@15c ₩ lb
Jute.....6c@7c ₩ lb

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ dz..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination.....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6 37
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....40&5%
Bench, First Quality.....5%&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey's..5%&10&1 @30&10&10&10%
Miscellaneous.....25& 10%
Steer s tion Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's.....6 @6 &10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to £
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
} 3⅓&10@30 & 10&10%
L. & I. J. White.....20&10@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....30&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers. ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00 ...40 & 10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....5 @5 &5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's, Stubb's Pat Pliers.....5%
Cronk's Button Pattern .....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....2 &10
Stanley's Handy.....2 &10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@75&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$6.75
Dixon's Plumbago.....₩ lb 8c

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $1.00; ₩ gr. $8.00 } 10@
1½ qt. ₩ doz. $1.00; ₩ gr. $9.00 } 15&
2 qt., ₩ doz. $1 50; ₩ gr. $14 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt., $4 00.....33⅓%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Disston's Combined Pruning Hook and Saw..₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale. 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.50@2.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co.....60%
Levin Pruner, No. I, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔%@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔%@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....5%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.'s
No. 1, Fig. 328, 3 in. Shallow Well Pump..... .....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17 00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 9, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No 128, Fig. 510, 3 in. Lift Pump.....$7.00
No 131. Fig. 510, 3½ in. Lift Pump.....$8.00
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 4 4, Imperial Cyclone Pump.....$18.00
No. 295, Fig. 5 2, Cyclone Tank Force Pump.....$17 00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16 00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320. Fig. 492, Bucket Spray Pump.....$5.50
No. 330, Fig 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring.....5%&5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6 50
American Refined Iron, to fit 6 in. Stove Pipe.....$6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7 50
Planished Iron, to fit 7 in. Stove Pipe.....$3.50
Planished Iron, to fit 8 in Stove Pipe.....$10 00

Rail—

Sliding Door, Wr't Brass, 1¼ in. ₩ lb, 30c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft. 2c
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot.....6%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....8%

Rakes—

Cast Steel, Association goods.75&5%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.50
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1. net ₩ doz. $4.50
Gibbs' Hustler, No. 0 net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4
Per doz	$1.40	1.50	1.80	2.25..30%

Boys' rakes.....₩ doz $3.50

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Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth, No $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust $1.50
Gibbs' Garden:
Boss, No. 14 net ₩ doz. $2.60
Boss, No. 18 net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co. 20%
Wostenholm and Butcher, $10.00 to £ 10%
Jordan's AAA1, list Nov. 1, 1889 60%
Jordan's Old Faithful, list Nov. 1, 1889 50%
Electric List net
Campbell's Celebrated Warranted 50%

Refrigerator Hardware—

Francis Keil & Son 50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95 65%
Coopers 65%
Block 65%
Carriage 65%
Hame 65%
Burrs 65%
American Screw Co.:
Bay State Rivets 75%
Belt with Burrs 65%

Rivet Sets—

Regular list 70%

Rods—

Stair, Brass 2¢@ 3¢
Stair, Black Walnut ₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10&10@70%
Moore's Acme Barn Door 60%
Moore's Adjustable Stay 55%
Union Barn Door Roller 70%

Rope

Manufacturers' Prices:
Ma'la.7-16in.& larg'r ₩ ℔ 7 c
Manila 5/8in ₩ ℔ 7½c
Manila ¼ and 5-16 in ₩ ℔ 7 c
Man. Hay Rope, Med. ₩ ℔ 8 c
Sisal, 7-16 in. & larger ₩ ℔ 5 c
Sisal 3/8 in ₩ ℔ 5½c
Sisal ¼ and 5-16 in ₩ ℔ 6 c
Sisal, Hay Rope ₩ ℔ 5 c
Sisal, Med. L'the Y'rn ₩ ℔ 4½c
1½% for cash in 10 days.
Cotton Rope, Best, ¼ in. and larger ₩ ℔ 12@12½c
Medium, ¼ in. and larger, ₩ ℔ 8c
Common, ¼ in. and larger, ₩ ℔ 8c
Jute Rope ₩ ℔ 6½@8c

Rules—

Boxwood 80&10&10&10@80&10&10&5%
Ivory 50&10%
Miscellaneous, Stanley's 60%
Starrett's Rules and Straight Edges, Steel 25&10%

Sad Irons—

From 4 to 10 ₩ ℔ 2@2½c
Self-heating ₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Gleason's Shield and Toilet 30%
Enterprise Star Irons 30%
Chinese Laundry:
New England Butt Co. 14c
New England 5c, 20&10%
Mahony's Troy Pol. Irons 15%
Sensible Pol., ₩ doz $4.50 20%
Nickel ₩ doz. $7.00
National Self-heating 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set $ .75 net.
No. 55, ₩ set .70 net.
No. 60, ₩ set .80 net.
No. 65, ₩ set .76 net.
Outfits, No 550, each 2.60 net.
Outfits, No. 555, each 2.45 net.
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz $1 50
Nickel ₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper..50&10&5%@5%
Emery Cloth 50&5%
Garnet Paper 30&5%

Sash Chain—

Giant 40%
Monarch 50%
Red Metal 40&10&10%
Steel 40&10&10%
Morton's:
Champion Metal 25%
Steel Cable 25%

Sash Cord—

Common ₩ ℔ 8½c@ 9c
Jute, good quality ₩ ℔ 1c
White Cotton Braided, fair ₩ ℔ 2½c@3½c
Common Russia Sash ₩ ℔ 12½c @ 3c
Patent Russia Sash ₩ ℔ 13½c@14c
Cable Laid Italian Sash ₩ ℔ 22½c@25c
India Hemp Sash ₩ ℔ 10½c@ 1c
Silver Lake:
A Quality, White ₩ ℔ 50c 10%
A Quality, Drab ₩ ℔ 55c 40%
B Quality, White ₩ ℔ 50c, 15&7½%
B Quality, Drab ₩ ℔ 35c, 15&7½%
C Quality, White (only) 28½c@ 28c
Sylvan Spring:
Extra Braided White ₩ ℔ 38c
Extra Braided Drab ₩ ℔ 33c
Semper Idem, Braided White ₩ ℔ 24c
Samson:
"Mass." White, Cotton 24c
"Samson" Braided White, Cotton ₩ ℔ 30c
"Samson" Braided Drab, Cotton ₩ ℔ 35c
"Samson" Braided Italian Hemp ₩ ℔ 33c
"Samson" Braided Linen, ₩ ℔ 30c

Sash Fasteners, Holders, &c.—

Sash Lifts 60&10&10%
Sash Lifts With Lock 60%
Sash Lifts Flush 60&10%
Shutter Bars 60&10@75&10%
Sash Rollers 66⅔%
Shutter Sheaves 60%
Window Screen Sash Lifts 66⅔%
Motley's Holder, on gross lots, medium size ₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's 33⅓%
Reading 60&10@67½&10&10
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B. 50%
Common Sense, Jap'd, Cop'd, and Br'zed ₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity 60%
Kempshall's Gravity 60%
Kempshall's Model 60@60&10%
Corbin's Daisy, list Feb. 15, '86 70%
Payson's Perfect 70%
Hugunin's Sash Balances 30&2%
Hugunin's New Sash Locks 25&5&2%
Stoddard "Practical" 10%
Ives' Patent 60&10&5@90&10&10%
Davis, Bronze, Barnes Mfg. Co. 50%
Champion Safety 70&5%
Security 70%

Sash Weights—

Ton lots at factory $13.50@$16.00
Small lots at factory $14.00@$16.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00 20%
Enterprise Mfg. Co. 25%
Silver's 40&10%

Saws—

Disston's Gang 45%
Disston's Circular 45@45&5%
Disston's Cross Cuts 40&10%
Disston's Panel, Hand & Rip 25%
American Saw Co.'s:
Solid Circular 40%
Perforated Circular 20%
Gang, Drag & Mill 40%
X Cuts, Regular Back 25c. ₩ foot
X Cuts, Perforated 30c. ₩ foot
Woodrough & McParlin Cross Cuts 45&10%
Hand Panel and Rip 25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws 25%
Peace Circular and Mill 45@45&5%
Peace Hand Panel and Rip 25@25&5%
Peace Cross Cuts, Stand'd 45&10%
Peace Cross Cuts, Thin Back 45&10%
Richardson Circular and Mill 45@45&5%
Richardson X Cuts 45&10%
Richardson Hand-saws 25@25&5%
Haines' Needle Point 40%
Atkin's Circular 50&10%
Atkin's Band 50&10%
Atkin's Cross Cut 40%
Atkin's Wood 40%
Atkin's Hand 40%
Atkin's Butcher, Pruning and Compass 40%
Star Saw Blades 25%
Star Bracket 25%

HACK SAWS—

Griffin's complete 40&10@50%
Griffin's Hack Saw and Blades, 40&10@50%
Chatillon 30%
Butchers 25%
Star Butcher 25@25&10%

Saw Frames—

Star Hack 25%
White Vermont ₩ gro. $9.00@$9.50
Red, Polished and Varnished ₩ doz., $1.50 25%
C. E. Jennings & Co. 20%
Richardson's Wood net
Wm. Johnson's Turning Cabinet 40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 50 65&5&10%
Common Lever ₩ doz., $2.00, 4 @50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00 40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00 40&20%
Perfect Saw Jointer 33⅓%
Leech's No. 0, $8.00; No. 1, $15.00 33⅓@25%
Cunningham Band 15%
Automatic 25%
Nash's 20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat 45%
Bemis & Call Co.'s Spring Hammer 30&5%
Bemis & Call Co.'s Plate 20%
Bemis & Call Co.'s Cross Cut 30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever 20%
Disston's Star, $9.00, No. 15, $5.50 2@25&10%
Richardson's 25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00 40&10@50%
Avery's Saw Set and Punch 50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal" ₩ doz. $12.00
Lloyd Acme ₩ doz., $15.00, 40&10%
Leopold 40&10@50%
King's 33⅓%
Keller's 40&10%
Wm. Johnson's:
Hammer 60&5%
Lever, 3 kinds 45%
Wheeler's Patent 60%

Scales—

Union Platform Plain $2.00@$2.10
Union Platform Striped $2.15@$2.25
Chatillon's Grocers' Trip Scales 50%
Chatillon's Eureka 25%
Chatillon's Favorite 40%
Family, Turnbull's 30@30&10%
Riehle Bros.' Platform 40@40&10%
Brittan Graham & Mathes 60%

Scale Beams—

Scale Beams, List Jan. 12, '83 50&10@50&10&10%
Chatillon's No. 1 40%
Chatillon's No. 2 50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00 40&10%
Box, 1 Handle ₩ doz., $2.00
Box, 2 Handle ₩ doz., $3.00@$4.00
Defiance Box & Ship 20&10%
Foot 55&5@80&5%
Ship Common ₩ doz., $2.40 net
Ship, R. I. Tool Co. 10%

Screens—

Phillips:
Bonanza Screens 60%
Perfection Screens 60%
Extension 50&10&5%
Flyer 50&10%
Window Screen Frames 60&5%

Screen Doors—

Phillips:
Stain-d 50&10%
Painted 50&5%
Fancy Pine 15%
Empire Fancy 30&35%
Standard Oil 35&40%

Screw Drivers—

C. E. Jennings & Co. 40%
Einwachters "Challenge" 50%
Millers Falls Automatic 25%
Millers Falls Ratchet 25%
Millers Falls Duplex 25%
Disston's 5 @50&10
Disston's Pat. Excelsior 50&5%
Buck Bros. 30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles 60&10%
No. 86 70&10%
Sargent & Co.'s:
No. 1 Forg. Blade 50&10@50&10&5%
Nos. 20, 40 and 60 50&10@50&10&5%
French's Beech, Round 70%
French's Beech, Flat 75%
French's Ebony, Round 60%
French's Ebony, Flat 70%
N. E. Specialty Co.'s 50%
Electric Spiral 50%
Gay & Parsons 35%
Champion 40@40&10%
Clark's Pat 33⅓@40%
Ellrich's Socket and Ratchet 40&10%
Howard-Allard 50&10@50&10&5%
Rapid Spiral 33⅓%
Screw-Driver Bits ₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12.45%
Hercules 70%
P. D. & Co.'s all Steel 50%
Brace Screw-Drivers 25&10%
P. S. & W 70%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 27½&5%
"Handy" Ratchet 25%
Champion 33⅓%
Copeland 25@25&10%
Brace 25&10%
Williamson's:
Gem, ₩ doz. 90c } 50%
Beauty, ₩ doz. $1.00 }
Wm. Johnson's:
135 A 70&10%
135½ Extra 70%
138 Ebonized Handle 70%
141½ 75%
142 Ebonized Handle 70%

Screws—

WOOD SCREWS—List, July 1, '95.
Bright Flat Head Iron 87½%
Br't R'd & Oval Head Iron 82½&10%
Nickel Plated, Flat Head 75%
Nickel Plated, Round Head 72½%
Silver Plated, Flat Head 50%
Silver Plated, Round Head 50%
Flat Head Brass 87½%
Round Head Brass 82½&10%
Flat Head Bronze 82½&10%
R'd and Ovel Head Bronze 80&10%
Phosphor Bronze, Flat Head 60%
Phosphor Bronze, Round Head 55%
Flat Head Copper 65%
Round Head Copper 60%
Rogers Drive Screws 87½%

MACHINE—

Flat Head, Iron 45%
Round Head, Iron 40%
Brass, Flat Head 45%
Brass, Round Head 40%

BENCH, HAND, ETC.—

Bench, Iron 70%
Bench, Wood, Beech ₩ doz $2.25
Hand, Wood 25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1890. 75&2½%
Coach list Jan. 30, '95 75&10&10%
Bed 50&10%
Hand Rail, Sargent's, 70&10@70&10&10%
Hand Rail, H. & B. Mfg. Co. 75@75&5%
Hand Rail Am. Screw Co. 80%
Jack Screws, Millers Falls, Roller Bearing 50&10%
Jack Screws, Millers Falls, without Roller Bearing 50&10&10%
Jack Screws, P. S. & W 35%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns' 40&10%
Piano Stool 60&10%
Chair 60&10%

Scroll Saws—

U. E. Jennings & Co. 25%
Lester, complete, $10.00 25%
Rogers, complete, $4.00 25%
Barnes' No. 1, $8; No. 6, $10; No 7, $15 25%
Barnes Scroll Saw Blades 35%

Scythes—

Grain 50@50&10%
Grass 50&10@60%

Seeders—

Enterprise Raisin 25%

Shears—

Ætna, Steel Japanned 80&20%
Ætna, Steel Nickeled 70&20%
Davenport Cutlery Co.'s 60@60&10
American (Cast) Iron 75&10@50&5%
Barnard's Lamp Trim'rs ₩ doz. $3.75
Tinners' 20&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears 33⅓%
Clauss' Brand, Nickel 60%
Japanned 70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap 75%
Nickel 65%
Campbell Cutlery Co.'s Scissors List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1887 50&10@60&5%
R. & E., list Dec. 18, 1885 55&20%
Corbin's list 60&10&2%
Patent Roller 60&10&2%
Patent Roller, Hatfield's 75%
Russell's Anti-Friction, list Dec. 18, 1885 60&2%
Moore's Anti-Friction 50%
Hatfield Sheaves 30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s 60&10&2%
Sargent's list 70%
Reading list 65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Boss, from jobbers $3.15@$3 40
Bryden's Frog Pressure $4 00
Perkins Steel Side Weight Hind $3 15 @$3 40
Perkins Improved Snow ₩ ℔ 4c

MULE—

Add 5c ₩ keg to above prices.

OX, WROUGHT—

Ton lots ₩ ℔ 9c
1000 ℔ lots ₩ ℔ 9½c
500 ℔ lots ₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c. 20%
Griffith's Black Iron 50&10
Griffith's C. S. 60@60&10%
Griffith's Solid C. S. R. R. Goods. 20%
Old Colony (Sanford Fork & Tool Co) 35%
St. Louis Shovel Co. 20@20&7½%
Hussey, Binns & Co. 15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co. 20&10%
Payne, Pettebone & Son, list Jan., 1886 30%
Rowland's Black Iron 60&5%
Rowland's Steel 60&10&5%

Shovels and Tongs—

Iron Head 60&10@60&10&5%
Brass Head 60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $12@ 3.50

Slaw Cutters—

Enterprise 25%

Digitized by Google

Slicers—
Enterprise Vegetable....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guarded, 7⅞&10&⅞&10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German, new list.....40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert Mfg. Co.....45&2&50%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps.....40&5%

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)50&10%
Seymour Smith & Sons, Iron.....30%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 75&10@80%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit.Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co.. 40&15&5%
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50&10%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60&6%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5&50&10&5% cash
Britannia.....60&10%
Boardman's Nickel Silver60&7½&5%
Boardman's Britannia Spoons, case lots.....60&10% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....
Nickel-Plated.....75&1@80%
Try Square and T Bevels60&10&10%
Disston Try Square and T Bevels. 5@50&10%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples...80&25&10%
Square Crown Carpet—papers...75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—½ inch and larger ₱ lb.....7c@7¼c
Barbed Blind—⅝ inch, ₱ lb..7c@8½c
Round Wire Round Crown....80%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....3%
Butterfield's Goods.....3%
Lightning Screw Plate.....25@30%
Reece's New Screw Plates....2@10%
Reversible Ratchet.....5%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American.....66⅔%
Steel.....66⅔%
Swedes, S. S.....66⅔%
Swedes, Lanc.....62½%
Leathered.....33⅓%
American Cut Tacks.....62½%
Swedes Iron Tacks:
S. S.....62½%
Lanc.....57½%
Upholsterers' Tacks:
S. S.....66⅔%
Lanc.....62½%
Gimp Tacks:
S. S.....66⅔%
Lanc.....62½%
Lace Tacks:
S. S.....62½%
Lanc.....57½%
Trimmers' Tacks:
S. S.....50%
Lanc.....50%
Looking Glass Tacks.....33⅓%
Picture Frame Points.....33⅓%
Basket Tacks.....62½%
Berry Box Tacks.....62½%
Trunk Tacks:
S. S.....66⅔%
Lanc.....62½%
Miners' Tacks, S. S.....66⅔%
Bill Posters' and Railroad Tacks:
S. S.....66⅔%
Lanc.....62½%
Brush Tacks and Nails:
S. S.....55%
Lanc.....50%
Hungarian Nails.....57½%
Common and Patent Brads.....60%
Finishing Nails.....57½%
Trunk and Clout Nails.....57½%
Basket Nails.....50%
Chair Nails.....45%
Cigar Box Nails.....45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓&2% cash.
F. H. Cobblers Nails:

	17 & heavier.
4-8 to 8-8in., and shorter, ₱ 100 lb	$1.60
⅝ in. and longer, ₱ 100 lb	$1.90

C. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

No. 18 & 19.	
2-8&2½-8 in.	$64 90 $44 10
3-8&3½-8 in.	55.50 3 00
4-8& longer,	44.50 36.10

MISCELLANEOUS—
Double Point.....85&10@85&10&5%
Wire Carpet Nails.....80&10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₱ box $1.50
Claw Handle Carpet.....₱ gr $1.00
Home Tacks, No. 50, ₱ case (12 cartons), $36.00; No. 100, ₱ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ₱ case (12 cartons), $30.00; No. 400, ₱ case (12 cartons), $60.00. 5&2%.
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&2%
Miniature Keg Tacks..66⅔&33⅓&2%
Upholsterers' Nails.....50&10%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " ".....1.50

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Tin, Perforated—
Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 50
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1. 0
6	$6.95	$1 15
7	$6 85	$1.10
8	$6.70	$1 05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clause".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887.....70&10@70&25%

Trammel Points—
Cook's.....25%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T.$3 50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₱ ft.....09
Single Rail Steel Track with clamps, ₱ ft.....09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₱ doz.....$2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₱ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₱ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₱ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₱ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₱ doz.....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₱ doz.....$2.00
Floor Hooks, ¾ in ₱ doz.....65
Hanging Hooks for Double Steel Track, ₱ doz.....60
Hanging Hooks for Single Steel Track, ₱ doz.....60
Hanging Hooks for Wood Track, 10 in. ₱ doz.....45
Hanging Hooks for Wood Track, 14 in, ₱ doz.....55
Wrought Rafter Brackets, ₱ doz.....45
Malleable Rafter Brackets, ₱ doz.....45
Rope Hitch, ₱ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida Pattern.....75&5@77&10%
Newhouse.....40&10@50&5%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....50&10@ 0%
MOUSE AND RAT—
Mouse, Wood, Choker, ₱ doz hole 8@10%
S.T.....₱ doz $6.00, 20%
Mouse, Round Wire, ₱ doz $1.50, 10%
Mouse, Cage, Wire, ₱ doz $2.50, 10%
Mouse, Catch-'em-alive ₱ dz $2.50,15%
Mouse, Bonanza.....₱ doz 90c@$1.00
Mouse, Ideal.....₱ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₱ gr $9.50
Rat, Keystone.....₱ gr $10.00
Rat, Exterminator.....₱ gr $12.00
Rat, Decoy.....₱ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₱ doz. 65c.; in full cases.....10c
Improved Rat.....₱ gross, $12.50
New Rat.....₱ gross, $12.50
Schuyler:
Mouse, ₱ gross $18.00.....50%
Rat.....₱ gross $15.00
Household.....₱ gr $10.00
Erie Rat.....50%
FLY—
Balloon, ₱ doz $1.5?.....₱ gr. $13 50
Electric Rod.....₱ gr. $16.50
Globe.....₱ gr. $13.50
Harper.....₱ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..25@25&10%
Peace's Plastering.....2(@25&5%
W. & McP. Plastering.....25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....2(@33⅓%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
solid Box.....50&10@80%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@40&10%
Parker's.....30@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Massey's Quick Action.....20@25%
Bonney's.....5(@50&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....70&10@75&10&5%
Backus and Union.....40%
Prentiss'.....30@25%
Simpson's Adjustable.....40%
Moore's.....30%
Little Giant Bench.....35&10&5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....30&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations: Toy Whips, all kinds ₱ gross. $3.0(@$7.50
American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving 4½ ft., $ 8.00; 5 ft., $2.00; 5½ ft., $2 50; 6 ft., $3.00; 6½ ft., $27. 0; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
Eureka, Two-thirds Whalebone, 4½ ft., $15.00; 6 ft., $ 6.50; 6½ ft., $ .00; 7 ft., $2 .00.
Bull Bone, Half-length Whalebone, 4½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00; 5 ft., $8.50; 5½ ft., $9.50; 6 ft., $ 0.5 ; 6½ ft., $12.00; 7 ft., $ 3.5; 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $ .00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7. 0; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors.....6 ft., $6.00
American, 96 Pen Whip, 6 ft., $4.00
Gents' Light Driving, No. 111, 6 ft.....$3.00
Gents' Light Driving, No. 106 6 ft.....$3.00
Hand-Made Stocked Java, No. 103.....5½ ft, $3.75; 6 ft., $4.00
Team Whips....₱ doz $3.0 @$7 50

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10 @9(&10%
Market:
Brt. & Ann., Nos.0 to 18, 7?&10@ 8%
Cop'd, Nos. 0 to 18, 7?& @7 &1 &5%
Galv., Nos. 0 to 18..... 7(& (@75%
Tin'd, Tinned list Nos. 0 to 18..75 &?@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₱ lb..... 4½c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass.....3(@30&5%
Copper.....4½
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 80%
Steel Music Wire, Nos. 12 to 20, ₱ lb..... 6 @7 c
Tate's Wire Picture Cord Braided and Twisted.....8 @10&10%
Picture Wire.....New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₱ 100 sq. ft.,$1.3 @$ .40
Galvanized Wire Netting....80& 10 @8 &?%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List.
Iron.....30&2½%
Iron, Galvanized.....30&2½%
Cast-steel.....30& ½%

Wire Rope Clips—
Crosby..... 25%

Wrenches—
Acme:
Bright.....6 @6 &5%
Nickel.....40& @50%
Heavy.....50%
Alligator.....60&10%
Hercules..... 70%
American Adjustable.....4 @4(&10%
Armstrong's.....40%
Baxter's Adjustable "S" 7 @70&10%
Baxter's Diagonal.....@80&10%
Coes' Genuine.....5 & @5(&10%
Coes' "Mechanics'".....50&10& @50%
Girard Standard.....6?&1(@70%
Lamson & Sessions' Engineers'.0&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....30&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Sullson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $2 5(@2.60 60%
Boardman's.....33⅓%
Always Ready.....33⅓&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination..... .....40%

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Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 189 , 2%
Colby Wringer Co , list May 1, 1-94, 3%
Lowell Mfg. Co., list July 2, 1-9... 3%
Peerless Mfg. Co , list Feb , 1-92...2%
National Wringer & Mfg. Co , list Jan. 1, 1895.....3%
NOTE.—On lots of 1 dozen a discount of 10 is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in bbls. ℔ gal. 42c
Linseed. City, Boiled, " ℔ gal. 45c
Out of Town on Spot.....℔ gal. 40c
Calcutta, Raw, in bbls....℔ gal. 47c
Lard, Prime City.....℔ gal. 50@51
Western, Prime.....50@51
Extra, No. 1.....40@41
No. 1.....37@39
No. 2.....33@35

Paints and Colors—

Barytes, Prime White, ℔ ton, $14.00@$17.00
Barytes, Foreign Floated, ℔ ton, $15.00@$18.00
Barytes, Domestic Floated, ℔ ton $23.00@$28.00
Barytes, Off Color, ℔ ton, $10.00@$18.00
White Lead, American, Dry, ℔ ℔ 4½@4¾c
White Lead, American, in Oil, ℔ ℔.....5¼@5¼c
White Lead, English, in Oil, ℔ ℔ 5½@5¾c
Litharge, American Powdered, ℔ ℔.....4¾@5¼c
Litharge, English Flake, ℔ ℔ 7¼@8 c
Litharge, Glassmakers', ℔ ℔ 4¼@4½c
Zinc, American, Extra Dry, ℔ ℔ 3¾@4½c

Putty—

Putty in Bulk.....$1.45@$1.70
Putty in Bladders.....$1.65@$2.00
Putty in Tins.....$2.00@$2.50

Spirits Turpentine—

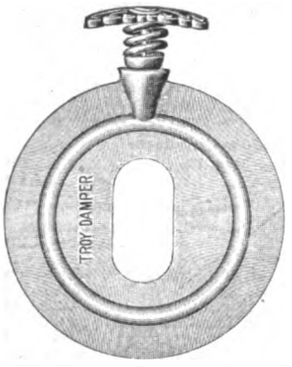
Spirits Turpentine, ℔ gal..28@28½c

Dry Colors -

Blue, Chinese.....℔ ℔ 35 @40 c
Blue Prussian.....℔ ℔ 30 @35 c
Blue, Ultramarine..℔ ℔ 7 @25 c
Brown, Sienna, American, burnt.....℔ ℔ 1¼@ 1½c
Brown, Sienna, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Umber, American, burnt.....℔ ℔ 1¼@ 1½c
Brown, Umber, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Vandyke, German.....℔ ℔ 2¾@ 5¾c
Brown, Vandyke, American.....℔ ℔ 1¾@ 2½c
Green, Chrome, Common.....℔ ℔ 5 @ 6 c
Green, Paris.....℔ ℔ 20 @30 c
Indian Red, Staadard, American....℔ ℔ 2 @ 3 c
Venetian Red, English Prime..... ...℔ ℔ $1.75@$1.90
Yellow, Chrome.....℔ ℔ 15 @25 c
Yellow, Ocher Fre'ch ℔ ℔ 1 @ 1¾

Colors in Oil—

Black Coach Japan ℔ ℔..18½@20 c
Black Coach Japan in Oil.....℔ ℔ 12 @13 c
Black Drop.....℔ ℔ 7½@10 c
Black Lampblack, prime, ℔ ℔ 27 @33 c
Black Lampblack, medium.....℔ ℔ 15 @20 c
Black Lampblack, 2d quality.....℔ ℔ 13 @19
Black, Lampblack, low grade.....℔ ℔ 6½@10 c
Blue, Chinese.....℔ ℔ 35 @40 c
Blue, Prussian.....℔ ℔ 20 @40 c
Blue, Ultramarine..℔ ℔ 13 @1 c
Brown, Sienna bur't ℔ ℔ 7 @10 c
Brown, Sienna, raw.℔ ℔ 7 @10 c
Brown, Umber, bur't ℔ ℔ 7 @10 c
Brown, Umber raw..℔ ℔ 7 @10 c
Brown, Vandyke....℔ ℔ 7 @11 c
Green, Chrome.....℔ ℔ 8 @14 c
Green, Paris.....℔ ℔ 16 @1-½c
Red, Indian.....℔ ℔ 12 @15 c
Red, Venetian.....℔ ℔ 4½@ 8 c
Yellow, Chrome.....℔ ℔ 13 @18 c
Yellow, Ocher, Fre'ch ℔ ℔ 4½ c



Don't Your Jobber Keep This Damper?

"WELL"

If he don't, send to us and we will give you the name of one who do and will be glad to do Business with

YOU

We don't want any one to get left on a Good Thing.

TROY NICKEL WORKS,

TROY, N Y.

Makers of Alaska Stove Trimmings.

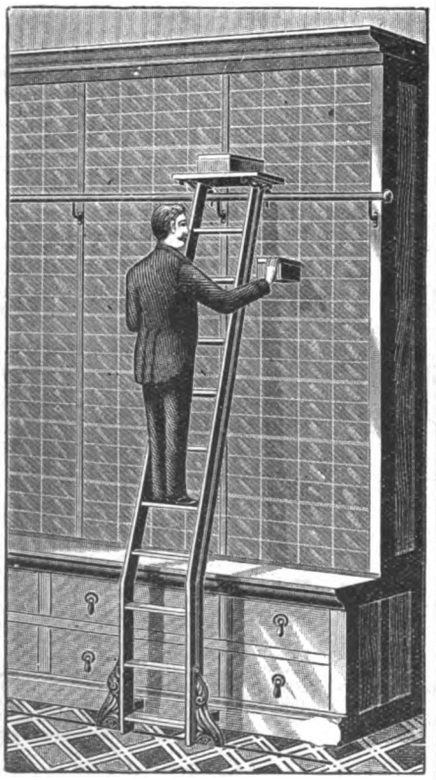
ORIGINATORS

ALASKA

STOVE HARDWARE

The Bicycle Step Ladder

Especially adapted for Hardware Stores.

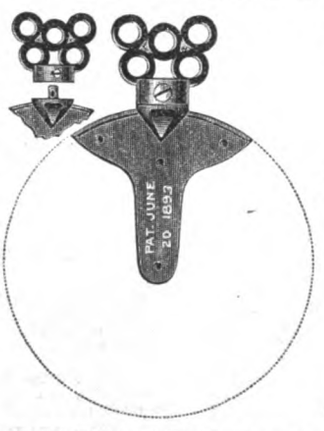


The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J HUSSEY & Co., 80 John St.



COLUMBIA

DAMPER CLIP.

Simplest, Best, Cheapest.

Cannot be put together wrong.

TRILBY OIL HEATER.

Best, Largest, Cheapest.

THREE STYLES.

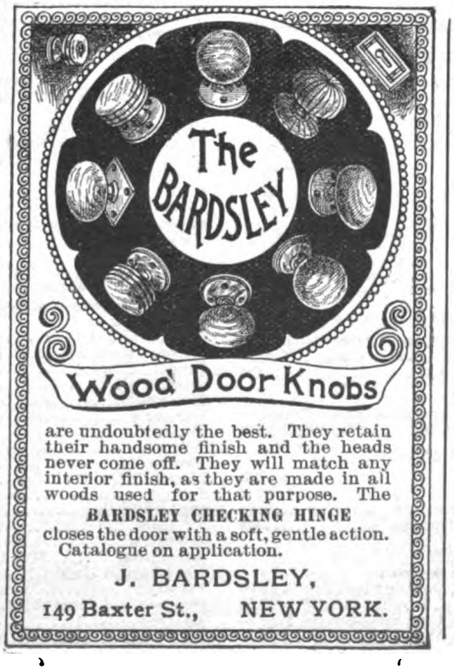
Gas Heater Unequalled in Appearance and Utility.

MANUFACTURED MICA GOODS OF ALL KINDS.

BEST AND CHEAPEST OYSTER KNIVES IN THE MARKET.

GEO. T. MOE & CO.,

52 N. Second Street, Philadelphia, Pa.



are undoubtedly the best. They retain their handsome finish and the heads never come off. They will match any interior finish, as they are made in all woods used for that purpose. The

BARDSLEY CHECKING HINGE

closes the door with a soft, gentle action. Catalogue on application.

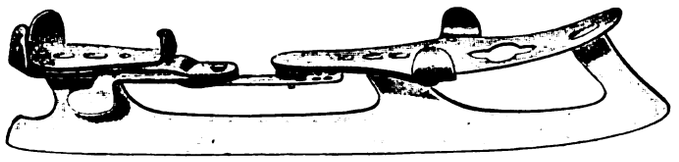
J. BARDSLEY,

149 Baxter St., NEW YORK.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

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Worcester, Mass., October 1st, 1895.

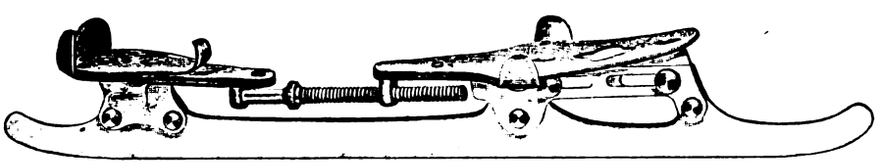
TO ICE SKATE BUYERS:

We have a great success in our new adjustment for Ice Skates. Jobbers and retailers have recognized the merit of our goods, and our sales have been very large.

Traveling representatives of a competing ice skate manufacturer have recently been guilty of a systematic effort to sell their ice skates by willfully misrepresenting our new adjustment. So great has been their distress that they have tampered with our patent adjustment in such a way as to impair the working of the skate. Under these conditions they have shown our goods for the purpose of selling their own.

We have a well tried and carefully constructed ice skate adjustment, which marks an advance in skate making, and we guarantee our stock.

THE SAMUEL WINSLOW SKATE M'F'G CO.



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Perforated Filter Press Plates.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

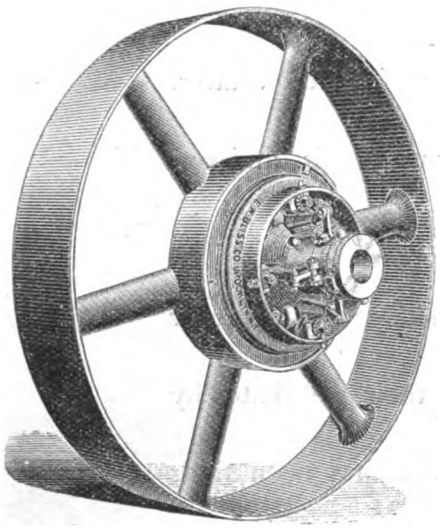
PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in: GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS. BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, 222 to 240 No. Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.

CHICAGO OFFICE, 96 W WASHINGTON ST. **E. W. BLISS CO.,** 18 ADAMS ST., BROOKLYN, N.Y.



PRESSES, DIES AND SPECIAL MACHINERY.

FOR

ALL KINDS OF

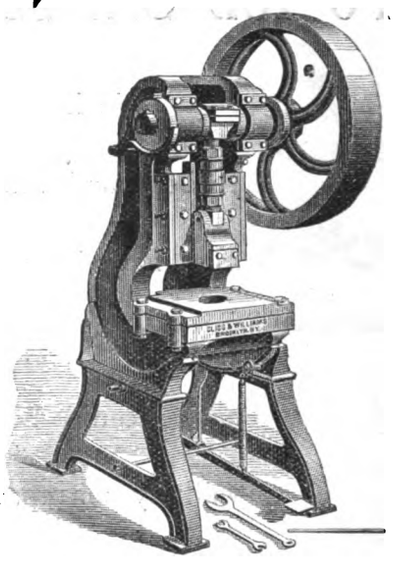
SHEET METAL WORK

MAKERS OF THE

BLISS PATENT TOGGLE DRAWING PRESSES.

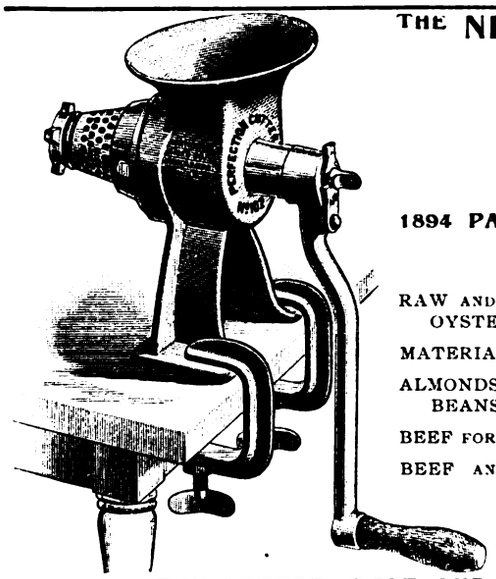
A NEW FRICTION CLUTCH.

SEND FOR CATALOGUE.



—OWNERS OF—

THE STILES & PARKER PRESS CO.



THE NEW . . . .

Perfection . . . Cutter

1894 PATTERN.

FOR CUTTING

RAW AND COOKED MEATS, CHICKEN, LOBSTER, OYSTERS, ETC., FOR CROQUETTES.

MATERIALS FOR MINCE MEAT, AND FRUIT CAKES.

ALMONDS, COCOANUT, CITRON, FIGS, VANILLA BEANS.

BEEF FOR BEEF TEA AND HAMBURG STEAKS.

BEEF AND PORK FOR SAUSAGES, PUDDINGS, SCRAPPLE, HOGS-HEAD CHEESE.

PULVERIZING STALE BREAD AND CRACKERS FOR FRYING PURPOSES.

THE LATEST, BEST AND MOST PRACTICAL.
SIMPLE TO USE. EASY TO CLEAN. OF FEW PARTS.
Easily put together and taken apart. Does not mash or grind meats, etc.
All parts coated with pure block tin.

—SOLD BY LEADING JOBBERS.—

Manufactured by NORTH BROS. MFG. CO.,

NEW YORK { JOHN H. GRAHAM & CO., 113 Chambers St. PHILADELPHIA, PA.

ALLENTOWN HARDWARE WORKS,

Manufacturers of Locks, Butts, Knobs, General Builders' Hardware, etc. Electro, Brass, Silver, Bronze and Nickel Plating, House Door Trimmings, Sash Locks, Sash Pulleys, Casters, High Grade, Light Gray Iron Castings, Soft, Smooth and Easily Drilled. Patented Articles a Specialty. Superior Quality. Estimates furnished on application from drawings and specifications. Bronze, Brass and Composition Castings. Japanning, Metal Art Work, Common Iron Castings made to order at short notice. Give us a trial. Also manufacturers of

REFRIGERATOR LOCKS AND TRIMMINGS,

Of new, beautiful design, finish and of the latest pattern.

Factories and P. O. address,

ALLENTOWN, PA.

We are Agents FOR NUMYR NOZZLES, the most novel, unique and serviceable. Do not clog and can be varied from a solid stream to a fine spray. Sell at sight. Try them.

HARVEY HUBBELL,
Machinery and Tool Mfr.
Improved Tapping Machines.

SCREWS

Machine screws for electrical purposes. Sample box free.

BRIDGEPORT, CONN.

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HARDWARE BUYERS' DIRECTORY.

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Wyoming Shovel Works, Wyoming, Pa.

Aluminum.
Scovill Mfg. Co., Waterbury, Conn.

Annunciators.
Partrick & Carter Co., Philadelphia, Pa.

Anti-Friction Metal.
Theo. Hiertz & Son, St. Louis, Mo.
Magnolia Metal Co., New York.

Anvils
Van Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Alfred Field & Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
Union Metallic Cartridge Co., Bridgeport Conn.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bale Tied
Kilmer Mfg. Co., Newburgh, N. Y.

Barb Wire.
Kilmer Mfg. Co., Newburgh N. Y.

Baths, Portable.
Crane Bros., Westfield, Mass.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
John H. Graham & Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Bridgeport Gun Implement Co., New York.
Cushman & Denison, New York.
W. & B. Douglas, Middletown, Conn., (Pneumatic Pumps).
Keating Wheel Co., Holyoke, Mass.
New York Belting & Packing Co., Ltd., New York.
Pope Mfg. Co., Boston.
Wm. Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rouse, Hazard & Co., Peoria, Ill.
J. R. Schuyler, Bloomsburg, Pa.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Sterling Cycle Works, Chicago.

Bicycle Step Ladders.
Bicycle Step Ladder Co., Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.
Scovill Mfg. Co., Waterbury, Conn.

Brass, Manufacturers.
Waterbury Brass Co., New York

Brass, Perforated.
Harrington & King Perforating Co., Chicago.

Buffing Wheels.
Divine Bros., Chadwicks, N. Y.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York and New Haven, Conn.
Stanley Works, New Britain, Ct.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

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Geuder & Paeschke Co., Milwaukee, Wis.

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich; New York.

Casters.
Gwinner Mfg. Co., Hamilton, O.

Castings, Iron and Brass.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

Cement.
New York Belting & Packing Co., Ltd., New York.

Chains.
Rome Brass & Copper Co., Rome, N. Y.

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Clay Screens.
Harrington & King Perforating Co., Chicago.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clock Springs.
Wallace Barnes, Bristol, Conn.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.
Meriden Malleable Iron Co., Meriden, Conn.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Goodell Co., Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
Wm. Schollhorn Co., New Haven, Conn.
J. Wiss & Sons, Newark, N. J.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Damper Clips.
Geo. T. Moe & Co., Philadelphia,

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
J. Bardsley, New York.
John Chatillon & Sons, New York.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.

Door Knobs, Wood.
J. Bardsley, New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Partrick & Carter Co., Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.
Sterling Emery Wheel Mfg. Co. Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York.

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.

Filter, Water.
J. H. Seed, New York.
F. H. Weeks, Akron, Ohio.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garbage Carbonizer.
W. F. Morse & Co., New York.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gate Hinges, Latches, etc.
Wrightsville Hardware Co., Wrightsville, Pa.

Gears.
T. F. Welch & Co., Boston.

German Silver.
Scovill Mfg Co., Waterbury, Conn.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.
A. W. Dodd & Co., Gloucestre, Mass.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland,

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammocks.
Bruce R. Ware & Co., Boston.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Sargent & Co., New York and New Haven Conn.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Diamond Cutlery Co., New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co, Hamilton, O.
T. W. Houchin, New York.
Klages & Co., New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Sargent & Co., New York and New Haven, Conn.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co, Boston.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Nozzles.
Allentown Hardware Works, Allentown, Pa.
American Ball Nozzle Co., New York, San Francisco.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Husking Goods.
Blair Husking Glove Co., Bucyrus, Ohio.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co, Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Diamond Cutlery Co, New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co, New York.

Lamp Stoves.
Geo. T. Moe & Co, Philadelphia.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
American Lead Pencil Co., New York
Jos. Dixon Crucible Co., Jersey City, N J.

Lemon Squeezers.
Meriden Malleable Iron Co, Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, New York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co, Norwalk, Conn.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mica Goods.
Geo. T. Moe & Co., Philadelphia.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co, Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Fencing.
Kilmer Mfg. Co., Newburgh, N. Y.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Planes.
Samuel I Goodall Co., Philadelphia
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Levett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
Tower & Lyon, New York.

Polishing Cloths.
"Selvyt," New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co, New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co, New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co, Brooklyn, N Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co, Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Bellevue Pump Co., Bellevue, Ia.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co, Brooklyn, N. Y.
Toledo Machine & Tool Co, Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Radiators.
Wilmot Castle & Co., Rochester, N. Y.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

Rakes.
Ashtabula Tool Co., Ashtabula, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Blake & Johnson, Waterbury, Conn.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd, New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia.

Sample Holders.
Massey & Thompson, Monroe City, Mo.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Bruce R. Ware & Co., Boston.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
American Saw Co., Newton, N. J.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.
Eastman & Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Klages & Co., New York.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.
Wyoming Shovel Works, Wyoming, Pa.

Sifters, Furnace, etc.
Lackawanna Sifter Co., Cleveland, Ohio.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
A. G. Spalding & Bro., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleigh Bells.
Chapman Mfg. Co., Meriden, Ct.

Snow Guards.
Folsom Snow Guard Co., Boston.

Snow Shovels.
A. J. Phillips Co., Fenton Mich.

Solder.
Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
J. Bardsley, New York.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoneware.
F. H. Weeks, Akron, O.

Stove Pipe.
Grauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack and Nail Machines.
Kimbal Bros. & Co., Boston.

Tapes.
Boston Tape Mfg. Co., Boston.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O.
E. C. Atkins & Co., Indianapolis, Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Philadelphia.
Samuel I. Goodall Co., Philadelphia.
Th. M. Hass, New York.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.
Ward & Gilmore, Le Roy, N. Y.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Twines.
Bruce R. Ware & Co., Boston.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N.Y
Charles Morrill, New York.

Washers.
Klages & Co., New York.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches.
Robert H. Ingersoll & Bro., New York.

Wheelbarrows.
Bryan Mfg. Co., Bryan, Ohio.
Toledo Wheelbarrow Works, Toledo, O.

White Lead.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Window Screens.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.

Wire, Manufacturers.
American Wire Co., Cleveland, O.
Bruce & Cook, New York.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Kilmer Mfg. Co., Newburgh, N. Y.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
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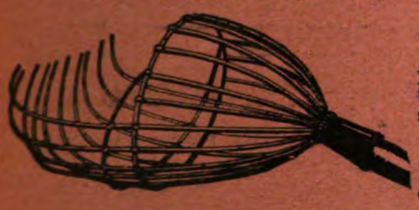
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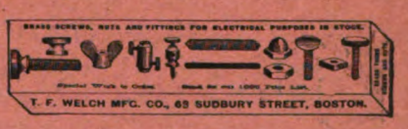
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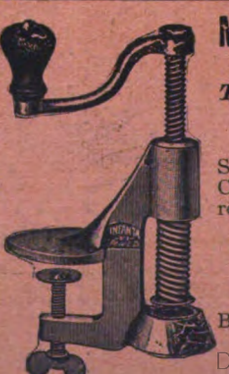


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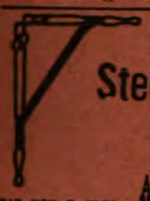


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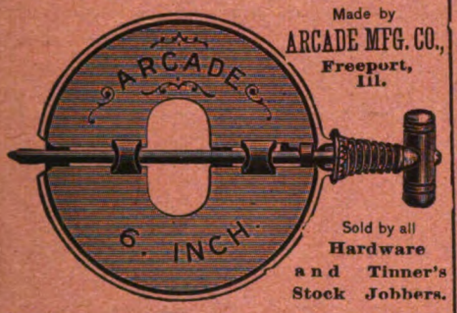
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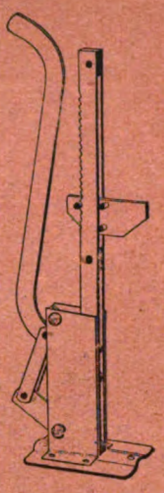


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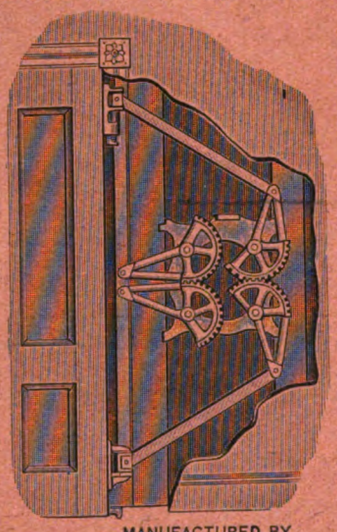
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For Bank, Office and Counter Railings; Wickets, Grills, etc., in Brass Bronze, Oxidized and other effects. Elevator Enclosures, &c.

Coal and Sand Screens, Riddles for Export and Foundry Use. Galvanized Twist Netting, Wire Window Screens, &c.

CURIOSITY.

If you can arouse curiosity
by an advertisement it is
a great point gained.
The fair sex
don't
hold all the
curiosity in the world.
First catch the eye,
then appeal to the reason.

"SYRACUSE" HOT FORGED TWIST DRILLS FOR METAL.



Better than the best. Forged hot in one piece from first quality tool steel. Stronger, tougher and will wear longer than any milled drill that can be made. Accurate in size and the most highly finished drills in the market. Send a trial order and you will want more. Manufactured by

SYRACUSE TWIST DRILL CO., SYRACUSE, N. Y.

Rhode Island Perkins Horse Shoe Co.,

Mauufacturers of

HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

F. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.



WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

WILLIAMSON'S
NEW POWER CORK SCREW.

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:

KEEP ON TURNING, DO NOT PULL.

No. 1243. Nickel Plated, Applewood Handle.....$5 0 per doz.
" 1443 " " Rosewood " .....$ .50 " "

For Discounts and other Styles send for Catalogue.

C. T. WILLIAMSON WIRE NOVELTY CO.,
NEWARK, N. J.

Manufacturers of Wire Specialties for the Trade.

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ORANGE SPORTING POWDER, MANUFACTURED BY LAFLIN & RAND POWDER CO.

ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded **ORANGE RIFLE EXTRA.**

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed

MILITARY, MINING AND BLASTING POWDER.

LAFLIN & RAND POWDER CO., - 99 Cedar Street, New York City.

BRANCH OFFICES:

CHICAGO, ILL. DUBUQUE, IA. CINCINNATI, O. NASHVILLE, TENN.
ST. LOUIS, MO. BALTIMORE, MD. PITTSBURGH, PA. DENVER, COLO.

In buying Shells for shot guns, ask for those loaded with "ORANGE EXTRA."

CHAS. J. STEBBINS.

NAILS

103 Reade Street.

NEW YORK.

Iron & Steel Cut Nails

STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

E. I. DU PONT, DE NEMOURS & CO.,

WILMINGTON, DELAWARE.

GUNPOWDER.

Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

Du Pont's Eagle Ducking.
Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

Du Pont's Rifle.
For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

Du Pont's Smokeless Powder.
Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

MILITARY POWDER AND ***GUN COTTON***
Of a quality to meet requirements of U. S. Army and Navy.

MINING AND BLASTING POWDER.

—Send Postal for Illustrated Catalogue.—



GUARANTEED

Best Anti-Friction Metal for all machinery bearings. For high speed and heavy crushing weight it has no equal. It is used on bearings where no other metal will stand.

THEO. HIERTZ & SON, Sole Manufacturers,
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——Manufacturers of——

All grades Babbitt Metals, Solder, Bar Tin, Bar Lead, Lead Car Seals, etc.





The Standard for the World.

COLUMBIA BICYCLES.

$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction.
Unequalled—Unapproached.

POPE MANUFACTURING CO.,
Hartford, Conn.

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SPECIALTIES IN RUBBER.

All kinds of

Molded Goods,
Bicycle Tires,
Pedal Rubbers

and Sundries.

Estimates furnished from Drawings or Models of new devices.

We want your business.

Cleveland Rubber Works, Of the Mechanical Rubber Co., **Cleveland, Ohio, U. S. A.**

REPAUNO CHEMICAL CO.,

MANUFACTURERS

ATLAS AND JUDSON POWDERS

AND

REPAUNO GELATINE.

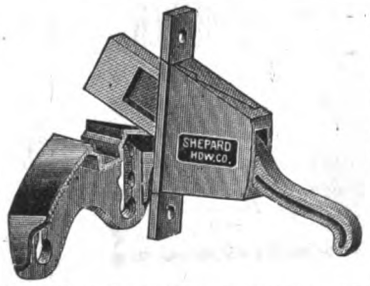
A FUMELESS EXPLOSIVE FOR TUNNEL WORK.

Our High Explosives are Standard and Guaranteed to run Uniform.

GENERAL OFFICES: WILMINGTON, DEL.

BRANCH OFFICES: BOSTON: 18 Broad St. ATLANTA: Equitable Buildg. ST. LOUIS: Wainright Building. JOPLIN: 4th & Joplin Sts. DENVER: 1632 17th St. NEW YORK: 26 Cortland St. CHICAGO: 1321 Monadnock Block. CLEVELAND: Cuyahoga Building.

"THEY TAKE THEM ON SIGHT."



That's how a large Hardware dealer describes the appreciation of his customers in regard to our **Gate Hinges** and **Latches, Blind** and **Shutter Hinges,** and **Frame Pulleys** of the **"Original" Clark** and other patterns formerly sold by the **Shepard Hardware Co.,** of Buffalo, N. Y., whose business in these lines we have acquired by purchase.

☞We are the SOLE Manufacturers.

THE WRIGHTSVILLE HARDWARE CO., - - WRIGHTSVILLE, PA.



For Butler's Pantry

and all other Swing Doors, the best device is

BARDSLEY'S CHECKING SPRING HINGE.

It goes in the sill under the door and works in oil. Send for catalogue showing this and the best line of

WOOD DOOR KNOBS, DOOR STOPS, &c.

J. BARDSLEY, 149 Baxter St., New York.



SURE ...TO **PAN OUT.**

The Excelsior Roasting and Baking Pan makes money for every dealer who handles it. To show it is to sell it, because its merits speak for themselves.

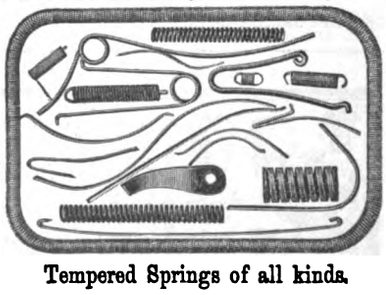
The **Excelsior Pan** is made of Planished and Plain Steel in seven sizes.

SUITS EVERYONE. WRITE FOR PRICES.

Barber-Koenig Mfg. Co., No 115 N Vine St., HAZELTON, PA.

TUCK MFG. CO., Brockton, Mass.

Springs, Tools & Cutlery.



Send for Tool Catalogue.

Tempered Springs of all kinds.



Woodman's Patent Ticket Punches & Speed Indicators,

Manufactured by the

R. WOODMAN MFG. & SUPPLY CO.,

63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—



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IT TAKES A PULL

to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, 15 Park Row, New York.

IMPROVED

Tack, Shoe and Wire Nail MACHINERY,

KIMBAL BROS. & CO., Mfrs.,

Send for Prices. BROCKTON, MASS.

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

"THE BALL DOES IT ALL!"



No. 6. ¾ inch. Ball Nozzle Lawn Sprinkler.

NO Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . .

A PORTABLE and BEAUTIFUL FOUNTAIN.

THE GREAT BALL NOZZLE.



No. 5. ¾ inch Ball Nozzle. For Fountains and Trees

WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



No. 4. ¾ inch. Combination Ball Nozzle.

NATURE SERVES MAN IN A MYSTERIOUS WAY! WHY DOES THE BALL REMAIN AGAINST PRESSURE?

Send for Catalogue.

BALL NOZZLE MANUFACTURED SOLELY BY

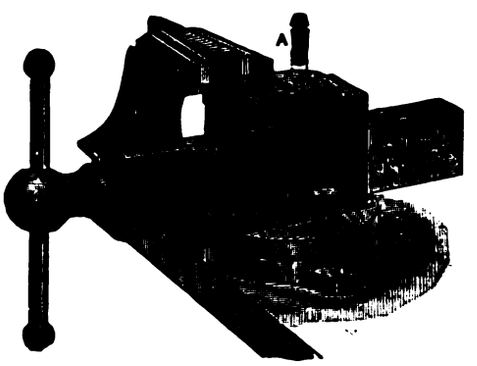
AMERICAN BALL NOZZLE COMPANY,

837-847 BROADWAY, NEW YORK.

Branch House—325 SUTTER ST., SAN FRANCISCO, CAL.



No. 3. ¾ inch Combination Ball Nozzle.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

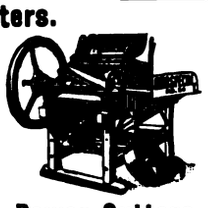
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Ohio Line Feed Cutters.



Horse Powers Engines,
Feed Mills and
Steam Cookers.

Hand Cutters.



Power Cutters.



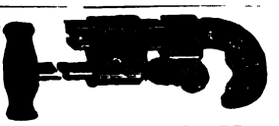
Ensilage Cutters and Carriers.

WRITE FOR PRICES.

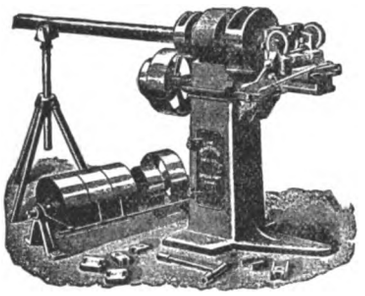
The Silver Mfg. Co.,
SALEM, OHIO.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.

YOUR STOCK IS NOT COMPLETE
Without a Line of



"ARMSTRONG"



No 2½ MACHINE.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.
—NEW YORK OFFICE: 139 CENTRE STREET—

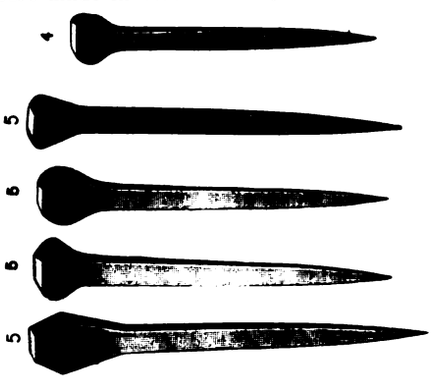
SOLDERING COPPERS
CLENDENIN BROS., BALTIMORE, MD.



POSITIVE SECURITY
against sneak thievery by the use of
Shepardson's Key-Hole and Baggage Guard.
Sample by mail 75 cents. Illustrated circular and price list sent on application.
KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

The PUTNAM Hot-Forged and Hammer-Pointed Horse NAILS

Are made in Sizes and Styles as below:



TURF NAILS, Nos. 1 to 5.
FRENCH HEADS, for punched shoes without creases, Nos. 3 to 7.
REGULAR HEADS, Nos. 5 to 14.
CITY HEADS, for shallow creased shoes, Nos. 5 to 9.
COUNTER HEADS, or FROST NAILS, Nos. 5 to 9.

Prices of these styles are the same as for Regular Heads of the same size.

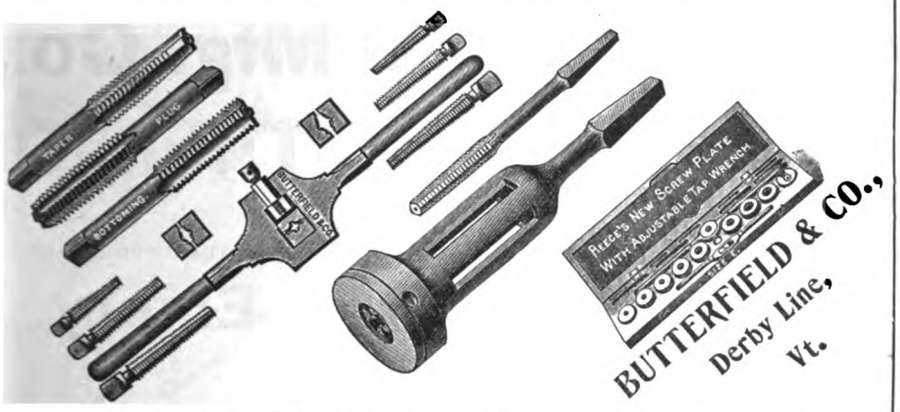
The **only** Horseshoe nails in the world made precisely the same as the old-fashioned, hand process, being exclusively **Hot Forged and Hammer-Pointed.** This **hammering** (not pressing, rolling or shearing) while the metal is at welding heat blends all the particles into a compact, firm nail that outwears all others and will **Never Split, Sliver or Break.** *They are not sheared but have smooth edges clear to the point.*

The attempts of other manufacturers, in their advertising, to identify their product with the Putnam Nail leads us to state that the PUTNAM NAIL is made SOLELY by us in the ONLY RATIONAL WAY a GOOD horsenail can be produced.

Nickel-plated Mascot Ring for 10 Cents in Stamps or Silver.

PUTNAM NAIL CO., - Neponset, Boston, Mass.

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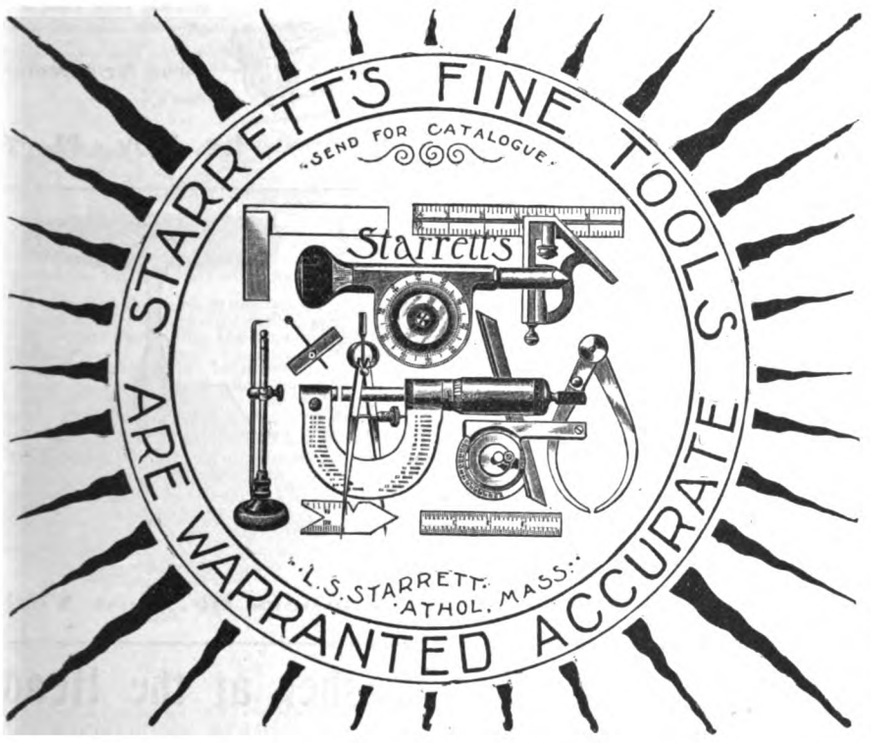
THEO. M. HASS,

MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. Dies and Tools.

176 CENTRE STREET, (Opposite Earle's Hotel) **NEW YORK**

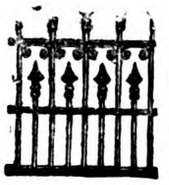




WIRE and IRON WORK.

FENCING, CRESTING, STABLE FIXTURES, WINDOW GUARDS, WIRE SIGNS, WEATHER VANES JAIL CELLS.





IRON FENCING

DO YOU CARRY A STOCK OF **FLOWER POT STANDS?**

SEND FOR CATALOGUE.

CRESTING.

E. T. BARNUM

DETROIT, MICH.



FLOWER POT STAND

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 137 Pearl St., **BOSTON.**

Manufrs. of Useful Adv. Mediums.

You cannot err on the quality when we make only the best



Sand Papers IN Reams and Rolls

- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co

700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
140 MILK STREET, BOSTON.
102 LAKE STREET, CHICAGO.

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The Sterling Emery Wheel Mfg. Co., Tiffin, O.

EASTERN AGENT:
L. BEST,
45 Vesey Street,
New York.

CUTTER, WOOD & STEVENS,
131 Pearl Street,
Boston



MANUFACTURERS OF
Emery
AND
Corundum
Wheels.

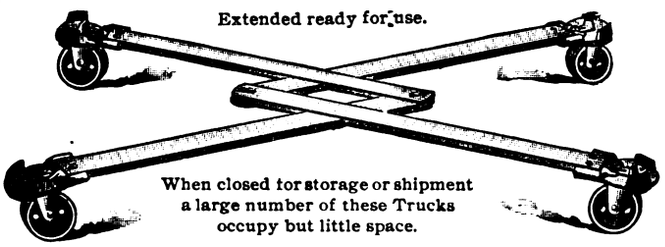
FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,
Cleveland, O.

Steel Lock Frame Stove Trucks.



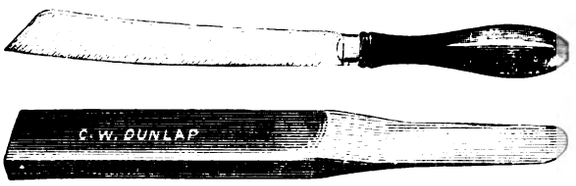
Price, $15.00 per dozen.

Fit any size stove. No nuts, bolts or thumb screws. No bars to cut off.

Send for Circular.

WARD & GILMORE, Manufacturers, Le Roy, N. Y.

Dunlap's Superior Kitchen Hardware.



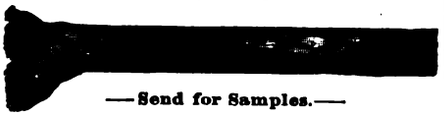


Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.

Braided Cord

Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

TIME

WILL

TELL.

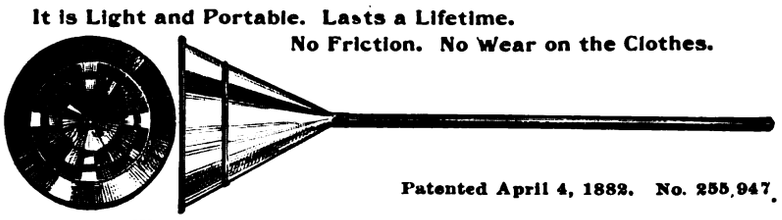
A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt

The Compressed Air Washer at the Head.

It is Light and Portable. Lasts a Lifetime.
No Friction. No Wear on the Clothes.



Patented April 4, 1882. No. 255,947.

We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric. The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.

Retail Price, $2.50. Send for Circulars and Prices

Manufactured only by E. M. HEATHMAN & CO., HAMILTON, O U. S. A.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of WIRE in great variety.

NEW HAVEN, CONN.

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CLIMAX WATCH



FOR

$2.00

American
Lantern
Pinion
Stem Wind
¾ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Liberal discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

At the TOP



AND GOING TO STAY THERE

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McPartlin

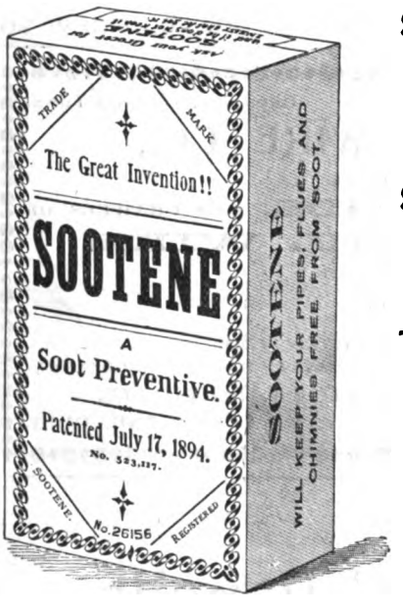
THE NATIONAL SAW CO.

GENERAL OFFICE— **NEWARK, N. J.**

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists



SOOTENE

Will keep your Chimney Pipes and Flues free from Soot and create a perfect draught, thereby making it a household necessity.

SOOTENE

Is an article worth the Dealer's attention and will pay them well to keep in stock. Address

THE SOOTENE CO.,
80 Broad St, N. Y. City.

GENERAL SALES AGENTS FOR
UNITED STATES
AND EXPORT.
Patentee and Manufacturer,
R. GIVENS,
Corpus Christi, Tex.



THE SMITH & EGGE MFG. CO.,
BRIDGEPORT, CONN.
Manufacturers of

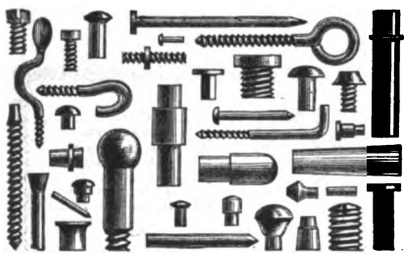
SASH CHAINS. CABLE
SASH PULLEYS, PADLOCKS,
EUREKA SHEARS,
DRILL CHUCKS, CYCLE LOCKS,
TOE CLIPS,
AND ALL KINDS OF
Sheet Metal Novelties.

No 110.



No 10.

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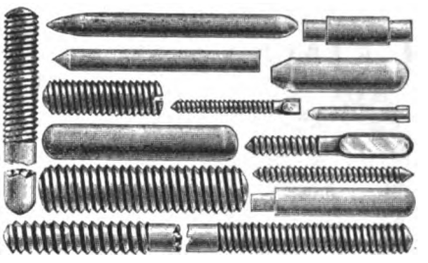


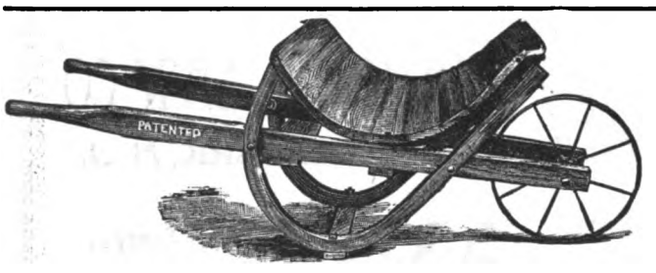
Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
WATERBURY, CONN.





Wheelbarrows

of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Established, 1852. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,
CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS**, AND DRAWERS OF
IRON AND STEEL WIRE
OF EVERY DESCRIPTION,
SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

The McCrum
Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.
312 Dorchester Ave.,
SO. BOSTON, MASS.

DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our 1895 Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.



CASTINGS
SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

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THE ORIGINAL IS THE BEST.
ROYAL CENTRAL DRAFT LAMP.

This Lamp has no Superior in the known world.

Gives the Largest Light for Wick Exposure of any Lamp made.



ROYAL LAMP.—No. 1013.

Chimney Lift and Wick Raising Device the best and easiest of adjustment. There are many imitations of these improvements, but the **ROYAL** is still the best.

The Royal Chimney. Lift will stay in position while lighting the lamp without support from the hands. This no other lift device will do.

The Wick Raising Device of the Royal Lamp is unquestionably the best, and has the approval of our largest competitors by their practical adoption of it.

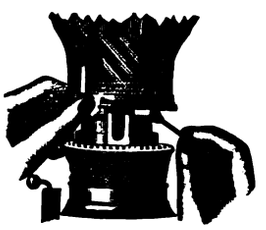
The Wick can be adjusted more accurately and more easily than by any other device.

Workmanship, Style and Finish are unsurpassed. Made in all finishes of Stand, Table and Banquet Lamp. No better lamp for the dealer to handle.

The Plume & Atwood M'f'g Co.

29 Murray St., New York 199 Lake St, Chicago, Ill.

The



B & H
LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

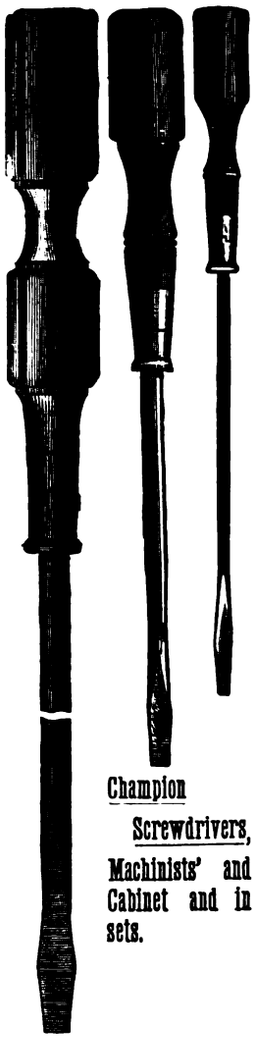
Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. **BOSTON,** 160 Congress St. **PHILADELPHIA,** Room 710, Betz Bldg. **CHICAGO,** 204 Masonic Temple.

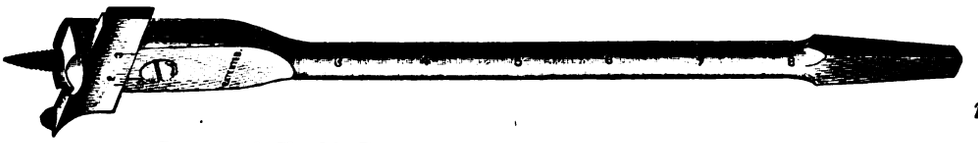
Main Office and Factories, Meriden, Conn.



Carpenters and Machinists' Tools.

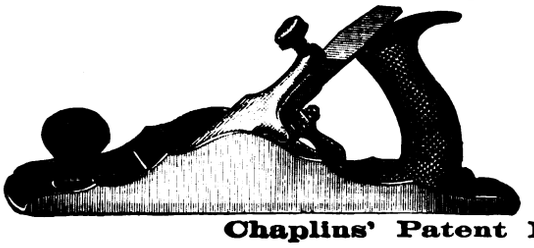


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





Corrugated Face.

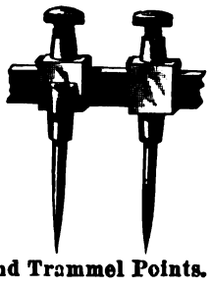
Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



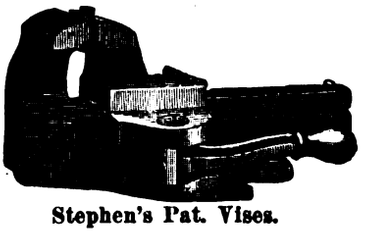
Plumb Bobs and Trammel Points.



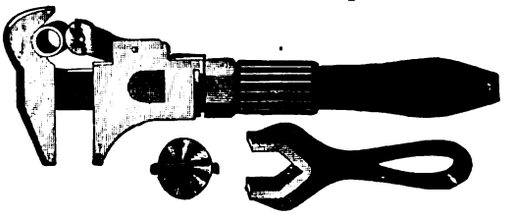




Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

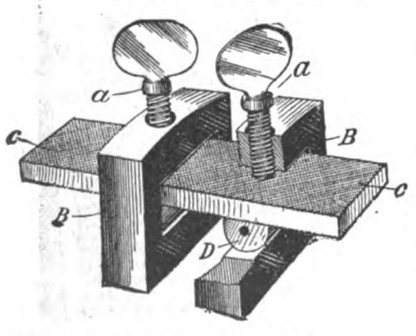
DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

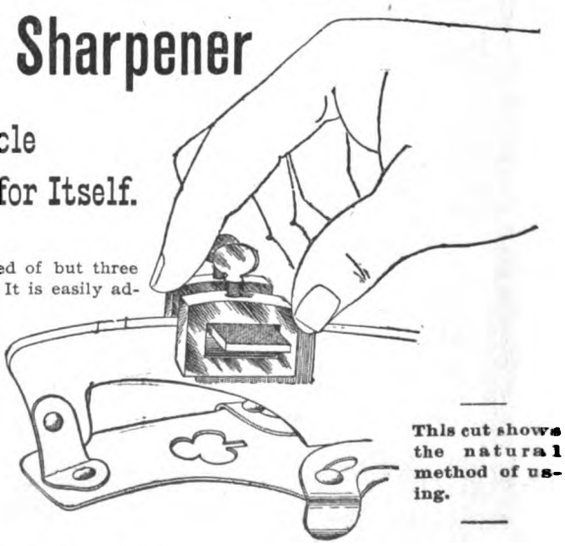
A New and Useful Article Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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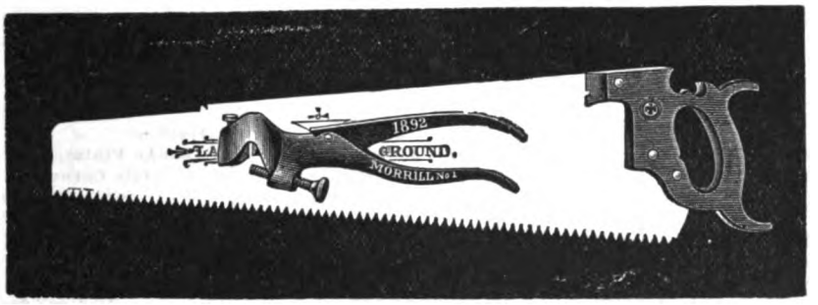
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

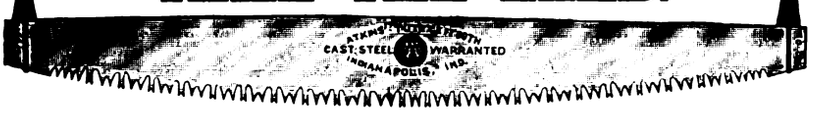
BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:—: A FULL LINE OF :—:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

Pipe Wrenches.

The "CURTIS"



	9 inch.	15 inch.	18 inch.	22 inch.
	$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—¾	⅜—¾	⅜—1¼	1¼—2	2 —3
Roundiron	¼—¾	½—1	¾—1⅞	1½—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.

The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.



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F. KLAGES & CO., 107 Chambers Street, 91 Reade Street, New York City.

SOLE AGENTS FOR U S. AND CANADA FOR THE



Buchanan Brass Hardware Co., Limited,

Manufacturers of BRASS and BRONZE HARDWARE.



Door Pulls, Shutter Bars, Drawer Pulls, Corner Plates, Hook Sash Lift, Mirror Plates, Flush Sash Lifts, Plate Escutcheons, Cabinet Escutcheons, Fire Screen Hinges.

Moulding Hooks, Fancy Box Hinges, Refrigerator Hinges, Fancy Cabinet Hinges, Box and Chest Corners, Brass and Zinc Washers, Floor and Ceiling Plates, Water Closet Seat Hinges.

SEND FOR CATALOGUE.

S Hooks, Hinge Plates, Stair Corners, Stair Buttons, Loose Pin Butts, Strap Hinges, Door Numbers, Shelf Brackets, Padlock Hasps, Mending Straps.

Every Machine Guaranteed to Give Satisfaction.



The BOSS and ELI... WASHERS.

BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., Cincinnati, O.



The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



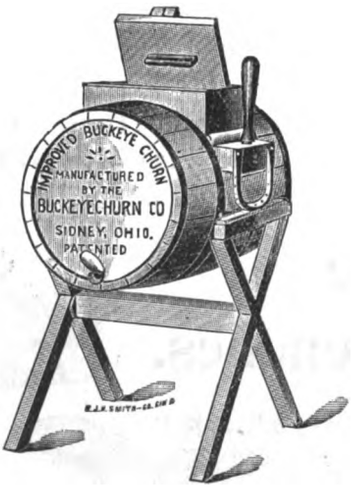
THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

E. I. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

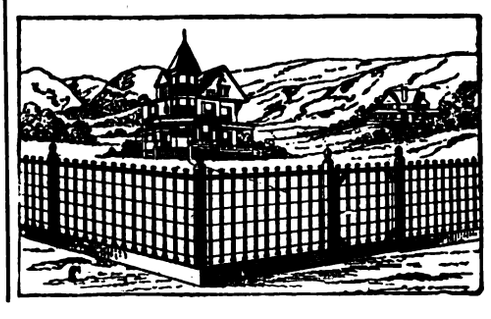
For Catalogue and prices address

Buckeye Churn Co.,

Sidney, Ohio.

KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market.

Send for Illustrated Circular and price list.

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LARGEST FILE AND RASP PRODUCERS IN THE WORLD.

NICHOLSON . .
GREAT WESTERN
X. F. (EXTRA FINE)
AMERICAN . . .

The Standard Brands.

FACTORIES AT
Providence, R. I.
Beaver Falls, Pa.
Pawtucket, R. I.

MAIN OFFICE AND ADDRESS:

NICHOLSON FILE COMPANY

PROVIDENCE, R. I., U. S. A.

OPERATING FOUR DISTINCT PLANTS.

Capacity, Equipment and Quality of Product Unequalled.

CABLE ADDRESS:
"NICHOLSON,"
PROVIDENCE, R. I. U. S. A.

OHIO "WATER TIGHT"

STEEL MORTAR and BRICK HODS



OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

Ohio "Water Tight" Steel Hod bodies are positively Water Tight. These bodies are the only ones made, folded from a single piece of sheet steel without cutting the metal, are reinforced on the edges and at the dumping point. By our special devised machinery we are enabled to furnish the strongest, lightest, most durable and only double end mortar and brick hods offered to the trade.

Our improved Malleable Iron Fork and Wooden Shoulder Saddle make it easier for the user to carry, or to attach a piece of cloth, should he so desire, to the under side of the saddle than the old style.

With our improved one piece Malleable Iron Fork and socket for holding the hardwood handle and taking up the shrinkage, a broken handle can be readily replaced, and hods shipped knocked down.

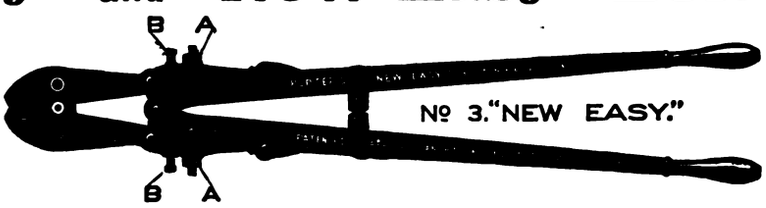


The Geauga Foundry and Mfg. Co.,

PAINESVILLE, OHIO.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

OVER 35,000 SOLD.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

Samuel W. Allerton, Prest.
C. C. Clarke, Sec'y & Treas.
A. Weed, Vice-Prest. & Gen. Manager.

THE ARCADE FILE WORKS



Improved Increment Cut

THE BEST IN THE WORLD.

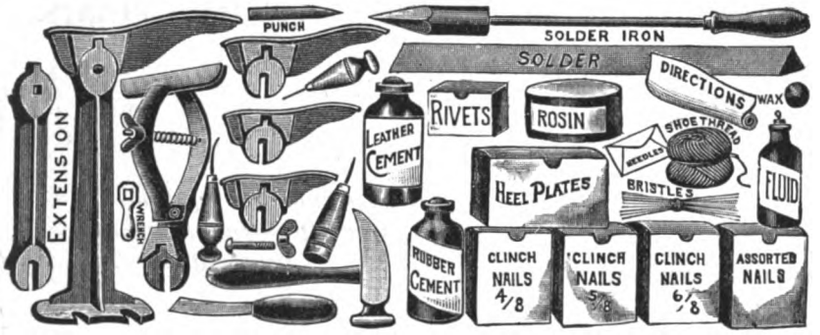
ANDERSON, IND.

New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 83 Reade Street, NEW YORK

We are HEADQUARTERS for IRON LASTS

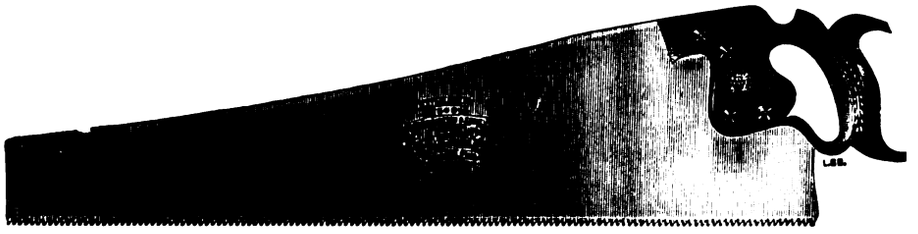


And our Newest, Neatest, Cheapest and Best Half-Soling and Repairing Outfit is

The Home Repairing Outfit No. 1.

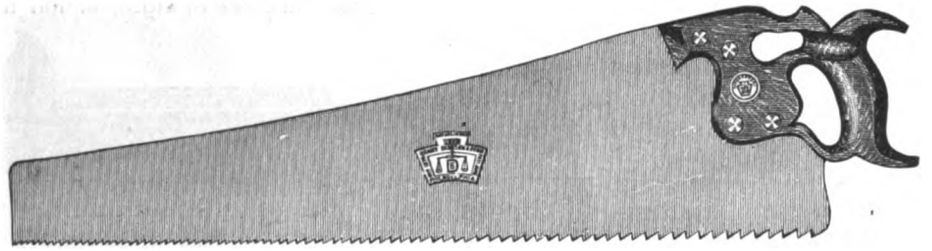
If you want an article that won't have a chance to gather dust, grow fly-specked, or become shop-worn, just try a half dozen. Remember, **we are the originators** and **largest manufacturers** of **Repairing Outfits** in the United States, and we are prepared to furnish them at lowest possible prices. Write for full description and see if we can't. They'll make you money, sure.

THE ROOT BROS. CO., - Sta. J, Plymouth, Ohio.

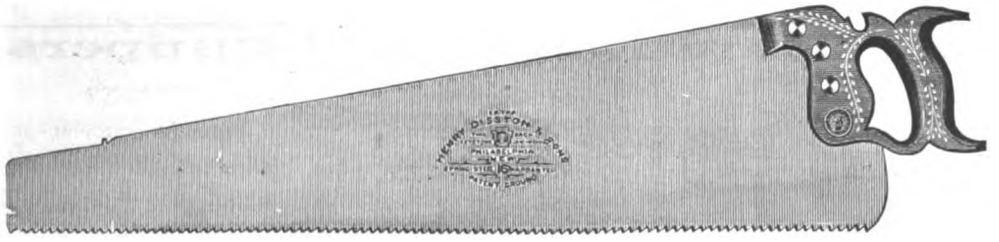


DISSTON'S "ACME" No. 120 HAND SAW.

Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

***** ——EVERY SAW FULLY WARRANTED.—— *****

Henry Disston & Sons,

(INCORPORATED.)

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PA.

Carried in stock by all Jobbers.

NOTE.

"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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Great Western Files.

Important Announcement.

The Plant of the Great Western File Co., at Beaver Falls, Pa., formerly known as the Western File Works, is now operated and controlled by the

Nicholson File Co.,

Providence, R. I.,

who already own and operate three distinct plants in Rhode Island. Since obtaining control of this property important changes have been made in the arrangement of buildings. Numerous machines added of the latest and most modern type, so that the Plant in its entirety is now, with the exception of the Nicholson, at Providence, the largest and best equipped file works in the world. The product will be strictly first quality and known as the Great Western Brand.

Main Office and Address:

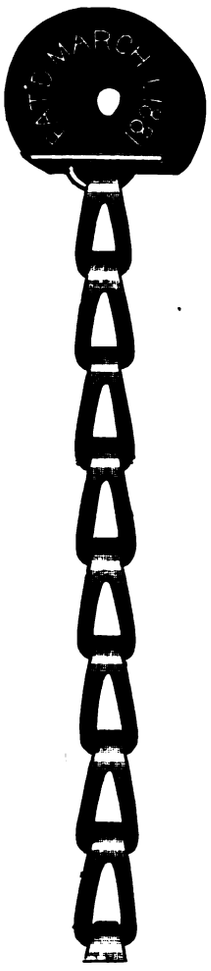
Nicholson File Co.,
Providence, R. I., U. S. A.

Operating four distinct plants:

Nicholson--- Providence, R. I.
E. F.-- Providence, R. I.
Great Western--- Beaver Falls, Pa.
American--- Pawtucket, R. I.

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THE SMITH & EGGE MANUFACTURING CO.,



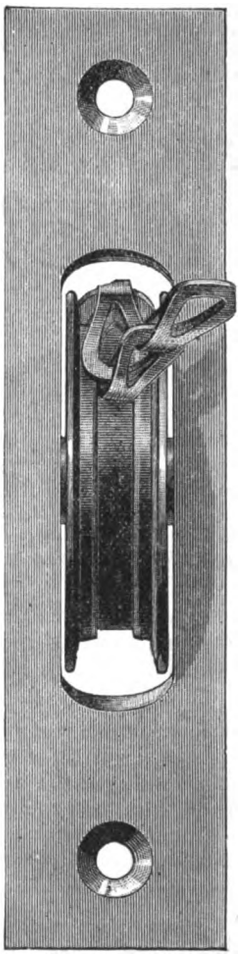
BRIDGEPORT, CONN.

Manufacturers of all Grades and Sizes of

SASH and CABLE **CHAINS,**

SASH PULLEYS,
PADLOCKS,
DRILL CHUCKS,
CYCLE LOCKS,
TOE CLIPS.

Sheet Metal Novelties.



Write for Circulars and Prices.

ESTABLISHED 1827 — E.S. 1827 & Co. — INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders.

45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

On page 73 will be found a special letter of importance from the

Samuel Winslow Skate Mfg. Co.

OF

WORCESTER, MASS.,

TO THE SKATE TRADE.

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HARDWARE

VOL. XII. OCTOBER 25, 1895. NO. 2.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 109 NEAVE BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

NEW GOODS IN THE MARKET..... 29
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ALPHABETICAL INDEX TO ADVERTISERS..... 78

A Business Man in Politics.

Thomas F. Keating has been nominated for the important office of Register of New York. As he is a Democrat upon a Republican-Democratic fusion ticket, and as he is first of all a business man, and received the nomination because he was a business man, we can see no reason why a journal representing the important branch of trade of which he has for so many years been a part, should refrain from speaking of his business standing, and of the qualifications he possesses for a proper administration of this important financial office.

We have always urged business men to take a part in politics and in the holding of public office. Without discussing in any way the merits of the parties which have carried out this idea in the nomination of Mr. Keating, and with no reference whatever to the party or parties by which he shall be opposed, we feel impelled to the declaration that this nomination is one of essential fitness. It certainly is one that reflects credit upon the Hardware trade of the country, to which Mr. Keating has given a faithful service for a quarter of a century and more.

Mr. Keating has shown his ability in the direction of financial management, in his labors as assistant treasurer and city manager of the Yale & Towne Mfg. Co., and as treasurer of the New York Hardware Club. The qualities that have made him successful in these important positions of trust, would be of eminent use in the public service; and those who best know Mr, Keating, are the most certain that he would conduct the office in a business-like manner and in the sole interests of the community.

It is refreshing to hear a business man talk straight to the point, as does Mr. Keating in answer to a question as to his views upon the administration of the Register's office. "If I should be elected Register," says he, "I would conduct the office in the interest of the public precisely along the lines on which I conduct this office in the interest of the company who have made me their manager in this city. I would put the Register's office exactly on the basis upon which this private business stands. I employ men here solely for their competency, and if any of them should turn out to be of bad character, I should regard him as incompetent and discharge him. Before employing an applicant I find out whether he is competent in character as well as in mere mental capacity. Then I exact of each each employee punctilious attendance, a full day's work, and absolute fidelity to the interests of the company; and I endeavor to compensate each according to his value. It is unnecessary to say that there are no superfluous employees here—just so many as the needs of the business absolutely require.

"If you will transfer these ideas and methods to the Register's office, you will understand just how I should propose to conduct it in the event of being elected. Absentees, mental incompetents, moral incompetents, the unfaithful and the superfluous would have to go, and only those would remain or come in whom I should be willing to employ in my private business, and only so many as the work of the office really necessitated.

"I should probably resign my position as manager of the company's office here. I have not as yet felt it necessary to decide that question absolutely; but I can scarcely see how I could retain my position and give to the office of Register the time and attention I think it requires. If it does not require about all the time and attention a man can reasonably be expected to give to his principal occupation, then I should say the city had been overpaying its Registers."

We like talk of that character, when we know that it means more than talk. In this case, the nominee means just what he says, and has the character and executive ability to carry his intentions into action.

A Rush for Wheels.

Elsewhere in this issue we present a further installment of letters from leading bicycle manufacturers of the country, as to the probable output of wheels for 1895 and 1896, and upon other questions of interest to the Hardware and bicycle trade. Some reflections may be found therein that will bear considering. The general tenor of these letters is about the same as those discussed in our last preceding issue, the output of the coming year being estimated anywhere from seven hundred and fifty thousand, to one million. These figures may not look large upon paper, but when we come to reflect upon what they mean, they become

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of wide and far-reaching importance. Few industries there are that have so mightily developed within a brief period. The American people have taken to the wheel as they have never to anything before; and yet, when one full million, or even two million, ride at once, it leaves sixty-five or more million who yet go afoot or in baby-carriages. This is a mighty army of possible recruits to call upon, and perhaps the manufacturers are not only not yet overdoing the business, but may confront a deficit of wheels at the end of the coming year. When the American people move in any given direction, they go it with a rush.

In Memory of William H. Williams.

At the last regular meeting of the New England Hardware Dealers' Association, held in Boston, October 9th, it was unanimously voted "that a committee be appointed to draft a suitable expression of sorrow and esteem that this Association bears toward the late William H. Williams, of New York, our business associate and President of the New York Hardware Club. That it be placed upon the records and a copy be sent to his family and to the Club of which he was the President."

The committee appointed by President Janvrin, of Boston, was as follows: D. Fletcher Barber, of Boston; John H. Robbins, of Boston; Charles E. Adams, of Lowell.

The following resolution was drawn up by the committee and passed:

We, the members of the New England Hardware Dealers' Association, desire to place upon record our sincere regret at the sad news of the death of Mr. William Hilton Williams, of New York (for many years President of the Hardware Club of New York.)

As an Association we well remember his ready acceptance of our invitation to be present at our meeting of February 14, 1894, his pleasing and eloquent address, and the cordiality with which he, as President of the Hardware Club of New York, invited the members of our Association to partake of its hospitality in the metropolis.

The removal of such a man from our midst is not only a great loss to our own line of business, but will be deeply felt by all who knew him. He was a man faithful to duty in every walk of life to which he was called, and the influence and example of his character will long be remembered.

While we are deeply sensible of the loss we have sustained, we remember with gratitude the many years of faithful service which were granted him. The memory of Mr. Williams will long be faithfully cherished by many to whom he had endeared himself by his manly and amiable characteristics. We commend those to whom this affliction comes as a crushing blow, to Him who inspired the great apostle to write: "And now we see through a glass darkly, but then face to face," knowing that in the great eternal we shall have these seeming mysteries explained.

Resolved, That this resolution be placed upon the records of the Association, and that the secretary be instructed to forward copies to the family of Mr. Williams and to the Hardware Club of New York. Respectfully,

Committee: D. Fletcher Barber,
John H. Robbins,
Charles E. Adams.

Misdirected Energy and Dumb-Waiters.

The Storm Mfg. Co., Newark, N. J., indulge in a little illustrative pleasantry upon a leaflet just issued, as follows: "Colonel Mulberry Sellers used to tell a story about a lot of charitably inclined women who were anxious to do some good among the heathen. Some of the enthusiastic ones hustled around and located a job lot of red flannel underwear, and another a lot of heavy overcoats, which they proceeded to 'buy up' for the benefit of the heathen. So the overcoats and the underwear were packed up and sent to the heathen in Central Africa. Of course the heathen didn't know anything about such things, but for all that they put them right on and began a seven days' promenade, when the intense heat melted the heathen right down, and, so the colonel says: 'All over Africa there are great big heavy ulsters, lined with red flannel underwear, standing up stiff in the sun, with nothing to tell the tale of the heathen but a little grease spot.' The chances are that this story isn't strictly true, but it serves very well to illustrate the uselessness of misdirected energy, and there is more misdirected energy in making Elevators and Dumb-Waiters than anything else we know of. The intention may be all right, but the 'know how' is lacking. We are experts and specialists in elevators and dumb-waiters, and when you want anything in this line, be sure to write us before you decide."

Busy in Baltimore.

Clendenin Brothers, No. 111 South Gay Street, Baltimore, Md., inform a Hardware representative that every one of their departments is not only running full time, but are working four hours overtime three nights per week. They have been thus working since September 1st, and the volume of orders then entered is equally as much to-day, thus showing a favorable demand for their goods. Their departments are being added to all the while, and they have the prospect of this full work until at least the end of January. The goods are not being bought by the trade for any purpose of speculation, but are orders that are actually required.

In their Nail and Tack department where they make Brass and Copper Corrugated Shoe Nails, Cobblers' Nails, Channel Nails, Copper Tacks and Copper Nails, Zinc Tacks and Zinc Nails, and Finishing and Fine Nails, etc., they are now taking up Shoe Tacks. In their Rivet department where they make a full line of Copper Belt Rivets and Burs, they are now taking up Norway Iron Rivets. In their Soldering Copper department, they are now taking up Forged Copper Bars for electrical purposes, and have been very successful in this line.

Two Lucky Coincidences.

As every one knows, Hulbert Bros. & Co. use the White Star as the emblem of their Majestic bicycle. By chance entirely, the first lot of '96 tubing arrived on Saturday last on the White Star liner *Majestic*. While the firm is not inclined to be superstitious, they cannot help but feel that the circumstance is a good omen for their '96 line; both the White Star steamer *Majestic* and their bicycle being built to last and for safe, solid comfort.

Again, the same mail brought them two letters, one from a racing man who had just won a race, complimenting them on the ease of motion possible on their Mesinger saddle. The other letter contained an order for one of the saddles from the man who was beaten. Hulbert Bros. & Co. consider the last letter the better compliment.

Hardware Club.

The following gentlemen have been unanimously elected to the New York Hardware Club since our last report:

Joseph Fettretch, Times Building.
Robert F. Fitz, No. 253 Broadway.
Joseph H. Hoadley, No. 253 Broadway.
Clarence W. Hungerford; W. Ames & Co., Jersey City, N. J.
Samuel F. Randolph; Commonwealth Rubber Co.
Edward P. Reichhelm; American Gas Furnace Co.
Richard Smith, Jr., No. 195 Broadway.

Sargent & Co. have issued a price card of their wood bottom and iron planes. On the reverse side of the card are the list prices with columns left blank for writing in the cost and selling prices if desired. This makes a handy article to hang up in the store for reference.

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What Some Words Mean.

EDITOR HARDWARE: Here are some definitions of familiar terms that may interest the trade:

Spike: From spica, an ear of corn, a point, a pike.

Tack: Take various forms in many languages; but all from the same root "stag" or "stak," to thrust, to tackle, attack. The kindred words are take, tackle, tag, etc.

Saw: It cuts with a toothed edge, and comes from the Aryan root, "Sak," to cut; later from the Latin "secare,' to cut; saw, sickle, scythe, from same root.

Brad: A thin long nail; from Anglo-Saxon "brord," a spike, a spire, a blade of grass; and is closely related to "brist," of which bristle is the diminutive.

Razor: A shaver. It razes, cuts down, levels, smooths.

Sledge: A hammer, from "schlagel," a mallet; so a sledge hammer is a hammer-hammer.

Axle: Shoulder.

Whiffletree: From "whiffle," to veer about, as a whiff, or puff of wind; and "tree," which is but another word for timber.

Swingletree: From "swing," a swingle tree, or "swinging timber."

Singletree: Is but a corruption of "swingletree," and from the use of this corrupt form came the name "double-tree," the timber to which the swinging tree is attached.

As to "Paid cash right on the nail," in times long since past there was in the midst of the Limerick, Ireland, Exchange a standard set up, and upon it was a copper disk upon which earnest money for all stock exchange bargains was paid. This upright and copper plate was called the "nail." In Bristol, England, there were four of these "nails" set up in front of the place of exchange. Other places there were, but these will suffice.

Yours respectfully, J. R. NUTTING.

Davenport, Iowa, October 10, 1895.

The World Awheel.

There is an excellent and reliable trade journal called HARDWARE, and it has solicited the opinions of the leading bicycle manufacturers of the country as to the number of bicycles manufactured in America during 1895, and the probable output for 1896. The responses, which are from the leading manufacturers of the country, place the output for 1895 anywhere from 400,000 to 750,000, and that of 1896 from 600,000 to 1,000,000. A fair average of these opinions would bring the prophecy for 1896 to near 750,000 wheels. The general opinion is that prices will remain about the same as they are now.—*Buffalo Commercial.*

The organ of the Hardware trade, HARDWARE, has solicited the opinions of the leading bicycle manufacturers of the country as to the number of bicycles manufactured in America during 1895, and the probable output for 1896. The responses, which are from the leading manufacturers of the country, place the output for 1895 anywhere from 400,000 to 750,000; and that of 1896 from 600,000 to 1,000,000.—*Crawfordsville (Ind.) Journal.*

HARDWARE has solicited the opinions of the leading bicycle manufacturers of the country as to the number of bicycles manufactured in America during 1895, and the probable output for 1896. The responses, which are from the leading manufacturers of the country, place the output for 1895 anywhere from 400,000 to 750,000, and that of 1896 from 600,000 to 1,000,000.

On with the sport,
Let the wheel reign unconfined!
Nor winter's rigors, nor snow, nor wind
Shall check its wild cavort!

And now here comes a man out of the wild and woolly West who says we may ride our wheels all winter if we wish. Yea, not only this, but ride faster than ever, if we will. This is a matter that will cut considerable ice with many devotees of the wheeling during the coming winter months. The bicycle has always heretofore been considered erratic and drunken enough in its movements to more than satisfy most riders, and particularly new beginners; but this man audaciously proposes to give it a skate.—*Cortland (N. Y.) Standard.*

Those who are waiting to get their "wheels" next year will be interested in the statement of HARDWARE that prices will be about the same as this year. Inquiries from manufacturers put the output of bicycles during 1895 anywhere from 400,000 to 750,000, which is a very wide margin. HARDWARE estimates the production next year at 750,000 machines, although some claim the number may go as high as 1,000,000.—*Paterson (N. J.) Guardian.*

HARDWARE has inquired from leading bicycle manufacturers about the number of bicycles made in America this year, and the probable output for next. The former number is set anywhere from 400,000 to 750,000, and the latter from 600,000 to 1,000,000. These figures seem to justify the belief that there are a million persons in America who ride bicycles.—*Meriden (Conn.) Record.*

HARDWARE, a trade journal, estimates the bicycle output of this country for 1895 at about half a million and the output for 1896 at three quarters of a million. At $100 apiece this represents a great deal of money.—*Minneapolis (Minn.) Tribune.*

Some of the leading makers have estimated the output of wheels for this year and what it will be in '96. HARDWARE publishes the letters, and a study of the figures will be interesting. . . . It will be seen that there is a great discrepancy in the figures offered, but, as it must be remembered that it is simply an estimate, the figures given for the '95 business are remarkably consistent. They all seem to agree that the output for '95 will be about 400,000, as two out of the six firms give that number, and estimating that number for this season, and remembering that since that time from ten to twenty new firms have entered the field, each with a capacity of from 2500 to 25,000, together with the fact that in '95 there was hardly a firm that was able to supply the unprecedented demand, then a trebled output over that of '95 will not be too much to expect, which, estimating the '95 output at not less than 400,000, gives us a '96 supply of 1,200,000.—*The Wheelman.*

Elevator Inspection.

HARDWARE calls attention in a recent number to the need of action by the Legislature to insure greater safety on the electric elevators so much in use in the tall buildings of cities. Each elevator in a modern New York "sky-scraper" travels many miles a day. Even when the safety appliances work, after a sudden and unintended descent through several stories, the effect is rather severe on the well being of the passengers. A man may be ever so cool in the presence of such danger, yet the experience is one which may be injurious to him in a physical sense. It is one which no woman should be called upon to undergo. To be sure, there are guarantee companies which regularly inspect the elevators for which they assume responsibility. The law should provide that such inspection should be systematic and general. It will not do to wait until some awful accident draws popular attention to the subject. As the number of these elevators increases there is danger that constructors and those maintaining them will become careless, and the lives of thousands will be more subject than now to deadly perils, if the inspection is neglected.—*Elmira (N. Y.) News.*

The Belding Mfg. Co., of New York, Chicago, and Belding, Mich., have changed their name to the Belding-Hall Mfg. Co. This consolidates the Belding Mfg. Co. and Hall Bros.' Mfg. Co., making a capital stock company of $200,000, with $15,000 surplus.

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Jones' Folding Plant Stands.

A very attractive and salable line of goods being manufactured with no small degree of success by M. D. Jones & Co., No. 368 Washington Street, Boston, is shown in the two sample illustrations accompanying this. These are the Jones' Folding Plant Stands, patented October 1, 1895. In



FIG. 1.

Fig. 1 we show the No. 20 Folding Plant Stand, with wire trays; and in Fig. 2 the Two Shelf Wood Plant Stand, folded. These goods are described as most compact, durable and strong, with prices that make them an object to any Hardwareman. In further description the makers say: "They pack closer than any other Plant Stand for shipment. The ends are made of flat steel and have porcelain casters. The steel and wire work is finished in green and bronze. The construction of the shelves or trays is such that there is more room for the pots and foliage than any other Plant Stand that takes up the same amount of room on the floor. Can be opened or folded in a few seconds' time by simply spreading the Plant Stand apart at the bottom and dropping the cross bars into their places.

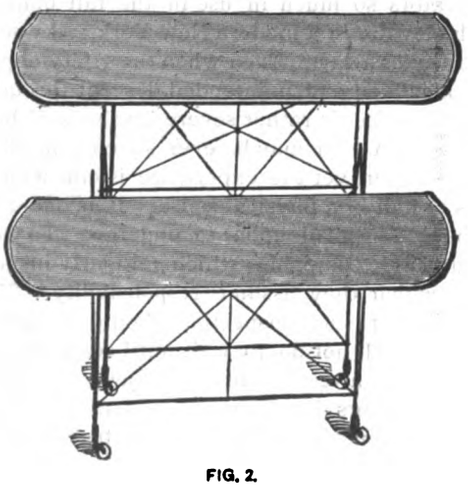


FIG. 2.

Trays are in position and Plant Stand ready for use. To fold it, lift up the cross bars and close the stand together closely and it is folded. The motion of spreading apart the Plant Stand opens the trays to position. The motion of closing it together folds it compactly. Wood shelves are finished imitation of cherry." They also manufacture a patent folding and adjustable Show Window or Bottle Stand that folds in the same manner as the patent Folding Plant Stands, and in addition the shelves can be adjusted to any degree of angle, independently of the folding of the stand; are useful in grocery, drug, liquor stores and other kinds of business; and can be made to order with flat shelves to show Hardware, or any other kinds of goods requiring display. The company will be pleased to send their illustrated descriptions of these goods, or of their lines of wire plant stands, hanging baskets, trellises, flower pot brackets, shelf brackets, iron garden vases, settees, chairs, bouquet holders, wrought iron folding tables for piazzas, etc., etc.

The Iver Johnson Cycle.

EDITOR HARDWARE: After thoroughly looking over the cycle business for this year, we have decided to market the cycles manufactured by us, under our own name and solicit the trade direct as manufacturers.

It is hardly necessary to say that we are one of the oldest cycle manufacturers of this country; we established in 1871 in the manufacture of firearms, and took up cycle building in 1887, when we made the Springfield Roadster, which cycle we continued to build during the days of the old high ordinary. With the advent of Safety Cycles we started to build the Lovell Diamond Cycles; these we have made up to the present time.

The cycle we will build for 1896 will contain all the leading features of the cycles of our 1895 pattern, together with many improvements we have added for 1896. The cycle will be known as the Iver Johnson Cycle, and we solicit patronage for this wheel; as our name as manufacturers of firearms and cycles guarantee, it will bear the stamp "Highest Grade." It will be backed in mechanical construction, material, quality and finish, by our reputation and experience of twenty-five years in the manufacturing, the last nine years spent in wheel construction. This is not a new cycle, but an old established one that has borne our name as manufacturers upon the name plate since 1890; to this we have added 1896 improvements and the new name, Iver Johnson Cycle.

Yours very truly,

IVER JOHNSON'S ARMS & CYCLE WORKS.

Fitchburg, Mass., October 18, 1895.

Cleveland Twist Drill Co.

The Cleveland Twist Drill Co., Cleveland, Ohio, make the following announcement: We take pleasure in announcing to our customers and the trade in general that letters patent have been issued to us on our grip socket, under date of October 15, 1895. We have defended our right to this patent against the most persistent efforts of another party, who set up an interference, claiming priority of invention, and threatening our customers and ourselves with infringement suits. We have received judgments in our favor in every court of appeal, and the final issuing of the patent to us settles the question of our right to manufacture and sell these grip sockets without let or hindrance, and we stand ready, regardless of expense, to defend our rights to the fullest extent of the law.

The Hardware firm of Dinsmore & Potter, Fairfield, Neb., desire to notify the trade that, though in the death of W. W. Dinsmore of the firm a great loss has been sustained, there will be no change in the firm, as Mrs. Dinsmore owns the interest of the deceased.

The monthly meeting and dinner of the New England Iron & Hardware Association took place in Boston, at the Brunswick Hotel, on the evening of October 15th. There were about forty of the members present. The president of the Association, A. M. Wiley, occupied the chair. Rev. A. A. Berle and T. James Fernley, of Philadelphia, were present as guests.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK.—X.

In this old Nineteenth district of Ohio, in those days, a nomination upon the Republican ticket meant an election, and accordingly when the crisp October days came around, and the voters had expressed themselves at the polls, Simon House was declared the sheriff-elect.

There may have been men in that county who were happier than my partner just then, and even some larger in their minds, but we of Branch were disposed to doubt it.

The event was one that involved the sympathetic congratulations of the whole town. Even the Democrats who had voted against him were glad that a neighbor had been honored, and it was with the best of feelings that Sam Burns drawled out, from his seat behind the stove, "Darn your hide, Sim, it goes agin the grain to take in a Republican, but I'm glad you got it."

"All right, Sam," was the slow remark. "When you come down to jail for hog stealing, I'll remember that."

We sold more sugar and tobacco during the next week than in a month before, and the flow of butter and eggs upon us was steady and copious. "It pays, Hank, it pays," said Simon each night, as we figured up our receipts. "There's nothing in the world that succeeds like getting thar. It's coming our way. But don't let us lose our heads. Business, my boy, and politics afterwards."

How much better it would have been for Simon and myself had we stuck to that.

Of course we had a serenade. The hint was given me to have the great-elect at home on a certain night, and I had no trouble in doing so. A yoke of oxen could not have pulled him away.

The preparations for the event went on for a week under Simon's Roman nose, and every child in Branch knew all about it; but to him it was a serene, safe and unguessed secret. He saw two barrels of cider go into his cellar, and never asked a question; his wife and mine fried doughnuts by the hundred and made mince pies by the dozen, but not a scent thereof was betrayed to his nostrils; he heard the village brass band practicing each night for a week, and not once complained of a headache; and on the final day, when the village boys were hauling empty barrels and boxes from the store loft, with which to prepare a bonfire on the village green, he kept to the orchard and never cast an eye toward their work.

He was so happy in his crafty innocence that I would not have undeceived him for anything in the world.

Toward evening of the great day, I said to him in a casual way: "Don't fail to be at home to-night, Sim. Uncle Horace and Aunt Sabrina said they would be up to see you about their apples."

"That so? I had thought of driving over to the Creek, but of course—"

"Better put it off."

"Well, I'll see."

After supper he appeared in his oldest coat and boots, and by his entire get-up suggested one who had no dream of standing in the glare of the great public eye. He lounged about the store with a pipe in his mouth, but towards dark disappeared into the house.

At half-past seven, the heap of wood upon the commons burst into a sudden blaze, and made the little town as light as day. In ten minutes every boy in the neighborhood was on the scene. A blare of sudden music filled the air, and up from the tavern stable came our band in full uniform, followed by a great line of men and Squire Savage at their head. By the time they reached the gate the House yard was filled with women.

The procession halted at the front door and the band played "Hail to the Chief," with all the "go" that neighborly patriotism could put into it. There were calls of "House! House!" and in a moment Simon appeared from the darkened recess within, with a look of wondering amaze upon his face. He was greeted with a cheer, and when it ended and the band had blown itself breathless, Squire Savage stepped to the front and made a warm and manly speech, congratulating the sheriff-elect, and telling him that the goodwill of the neighbors went with him.

As Simon had forgotten to shut his mouth when he came out, and held it open all through the speech, his appearance was not expressive, but the hearty earnestness with which he made his response was atonement.

"I am rather short of words just now," he said. "I have lived here a great many years, and have tried to do right by you all, but a man in business makes a great many enemies, especially if he buys butter and cheese. I didn't know how you felt toward me, but this settles it. You might have given me notice, and I would have had Hank here get up one of his highfalutin' speeches and fire it off for me, but you've got to take what I have. Suppose, instead of words, you walk into the house and see if we can find anything of a more substantial kind. I thank you all for this call, and if the boys need anything more for the bonfire, why there's the woodpile!"

Then they poured into the house, and all the women of the neighborhood passed around pie, and doughnuts, and apples and cider, while the men ate and drank and joked Simon about boarding with him in jail, and then went out on the fence and depleted a box of our best cigars. It was a hearty, honest and warm-hearted send-off, and the goodwill that prompted it, sent my partner into his official career with a home-blessing that made a new glow down in his big official heart.

When he had gone to Grange, in the winter season, increased labor and responsibility fell upon me as the sole manager of the store. He was where he could assist in the buying, but all the selling was in my hands, with the assistance of a country boy who had been called in to take my old position of clerk.

This boy, who was near sixteen years of age, looked twelve when at play, and about twenty-five when seriously engaged in upholding the dignity of the establishment. His salary was small, but he made it up by a little enterprise of his own, that had been carried on some weeks before I learned of its wide-spread commercial ramifications.

In some way Reuben—his mother was romantic, and his full name was Reuben Stableford Nightengoomshell Joseph Hazledine—had made a bargain with a furrier in Grange to supply him with cat skins at twenty cents each. By that mystic sympathy that is the very essence of boyhood, Reuben had got word to all the urchins of three townships, that cat skins delivered at our barn were good for ten cents each; and great was the slaughter in all that land. About twice each day some little rascal with a covered basket on his arm, or a closed box in a cart, would pass the store, stroll down the lane to the barn, and sit there and whistle until "Rube" could make an errand in his direction. It was a part of his policy that the cats should be delivered to him alive, as I believe he took more pleasure in the killing and flaying than in the accumulation of profit. There was a terrible increase of rats in our neighborhood for the next two years. I have mentioned these trivial facts simply to illustrate the extent of help upon which I had to depend in running the store.

I can honestly say that no young man ever worked harder or with more sincere energy than I did then. My

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whole soul was in the business; the money my father had loaned was at stake; the love and courage shining in the eyes of my wife were like the blessing of some fair saint that must be earned to be held secure; and before long a little stranger lay in a wicker nest at home—and its faint cry was the loudest call of all.

This labor was kept up without vacation or ill-luck for near five years. Simon completed his second term, and came home with a most excellent official record. Reuben developed into an efficient clerk, with a salary sufficient to make outside speculations unnecessary. I paid my father every cent of the money he had loaned me; and had a one-fourth interest in the business, which had grown somewhat, and gave promise of better things in the future.

Condition of Returning Emigrants.

As is well known, large numbers of persons who emigrated to the United States in former years are now returning to Europe in search of employment. They are people who have saved at least enough to pay the cost of the trip, and therefore belong, for the most part, to the better class of immigrants. Not infrequently, families that have become American citizens, with children who were, perhaps, born in the United States, arrive in Switzerland, for instance, after expending their entire resources for the trip. They are impelled to take this serious step by the same hope of improving their material condition that once led them to seek a home in the new world. So far as that part of Europe is concerned, these hopes are generally far from being realized, for there is hardly employment enough for persons already settled here.

The chief branches of business in the centres of Basle and Neuchatel—ribbon-weaving, watchmaking, and the manufacture of colors and chemicals—are not enjoying a period of especial prosperity, and are by no means in need of an increased number of operatives. The building trades and day labor are more than amply supplied by the resident working people and by the large number of Italians whose services are sometimes employed to the exclusion of the natives of the country on account of the extremely low wages with which they content themselves. The consequence is that the returned emigrants often find themselves in a state of complete destitution soon after their arrival. While seeking in vain for employment, they have parted not only with their money, but also with all the clothing and effects they can spare. American citizens and others in this unfortunate situation often apply for assistance to return to the United States, having the impression that there are Government funds available for that purpose. "If I could only get back home I should be all right. I could earn something at least, but here I shall starve," is the expression which, with many variations of form, is now constantly heard. Some of these people, to be sure, are not especially deserving, and have no claim to assistance as American citizens. But there are enough of the latter, who are at the same time honest and industrious men, to make the matter one of serious consequence. The resources they sacrifice for the trip to Europe, and while looking for work here could be better used in awaiting a complete revival of business at home, even in cases where it is impossible to find employment at reduced wages, for here business is duller and wages lower than in the United States, so that, even where a returned emigrant finds work, it will take him a long time to earn enough to go back to the United States, should he ever desire to do so.

Basle, November 17, 1894. GEORGE GIFFORD.

The Gillette Clipping Machine Co., No. 201 East Twenty-third Street, New York, have made arrangements by which J. H. Fenton & Co., No. 153 Michigan Avenue, Chicago, have become their Western agents, and all matters in that section, if sent to them, will receive immediate attention.

A Gentle Drummer.

Mrs. R. E. Ludlow has been representing Baldwin, Son & Co., hollow-ware makers, Stourport, England, three years, and also the Darlaston Galvanized Iron Co., and the Enamelled Hollow-ware Co., Kirrweiler, and has several times been appointed to arbitrate for her firms on business disputes. Her late husband was the senior partner in the firm of Ludlow Bros., Birmingham, manufacturers of general galvanized ware. Mr. Ludlow was extraordinarily well known, and most highly respected, and on the occasion of his death hundreds of sympathetic letters from customers were received by his widow. Mrs. Ludlow soon afterwards decided to take up the representation of two or three firms on the journeys formerly covered by her late husband. She had accompanied her husband on more than one occasion for pleasure only, of course, and so she was not an entire stranger. "I found my new avocation rather difficult at first; ironmongers, you know, have the reputation of being rather conservative; but I didn't intend to get disheartened," said Mrs. Ludlow, with a very determined little shake of the head. One thing especially gained her much esteem, she never looked for any order for mere sympathy—sympathy is not business, you know, and all that Mrs. Ludlow wanted was to be considered simply as a commercial traveler, and for her goods to be taken entirely on their merits. Mrs. Ludlow says she finds for the most part a frank and friendly recognition accorded to her by other commercial travelers. She declares them to be a most gentlemanly body of men, who treat her with every respect and consideration. Mrs. Ludlow has ten journeys, covering the country below Derby and the Eastern counties right away to Penzance, and visits her customers three times each year. She starts away on Monday mornings, and as a rule manages to return to her home on Friday evenings. It is very hard work, but the constant change of scene is very pleasant. Still, Mrs. Ludlow would not recommend it to ladies generally, even as she would not from choice do it herself. She studied the trade journals, and made herself thoroughly acquainted with the trade and its movements. She has very decided opinions as to the ethics of commercial traveling, and as her business is to call upon ironmongers she would not on any account call upon drapers or other outside competitors. She considers that ironmongers as a rule are quite as up-to-date and as enterprising as the drapers. Mrs. Ludlow has only met two other lady travelers, one of whom represents a manufacturer of perambulators, and the other does in lace lamp shades, so that it would not appear that the ladies have invaded the commercial travelers' territory in very formidable numbers.

Among recent telephone improvements is an attachment for neutralizing the disagreeable sounds produced in the telephone by induction, and enabling the hearer to concentrate himself on the conversation he is listening to undisturbed by surrounding noises. A cushion of soft gum rubber is fitted into a metal rim that clamps over the end of the telephone receiver. This cushion is adjusted so as to give exactly the right distance between the diaphragm and the ear-drum, and is said to improve the hearing of telephone talk fully fifty per cent. As the cushion is large enough to entirely close the ear, the advantage of a sound-proof booth is practically secured.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the town of Hadley, N. Y., a bridge 300 feet long and 16 feet wide. The same company have also lately completed a new storeroom for the Hartford Rubber Works, a new car house for the Norwalk Tramway Co., at South Norwalk, Conn., and also a new generator house for the Burlington Gas Light Co., Burlington, Vt. They report work as very brisk in all departments.

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NOTES TAKEN BY THE WAY.

The store of W. O. Baker, Westerville, Ohio, was recently entered by burglars. Cutlery, revolvers and glass-cutting diamonds were taken, to the extent of $100.

Burrows & Goodwin, Lewis Centre, Ohio, report a good and increasing trade. They are an enterprising firm, and mean to increase the stock and business. Send them your catalogues.

Who, that has ever met clever Charlie Cussins, of Cussins & Fearn, Columbus, Ohio, can forget the genial, big-hearted man and not go away feeling that something has been left behind? It's only a part of one's heart that has been left to the boy who makes all men his friends. May their business, now reported double that of '94, be double the present business, in '96.

Among the attractive new stores that I have discovered by the way, is that of W. W. Gillivan, No. 1173 West Broad Street, Columbus, Ohio.

There is no truth in the rumor that "Pete" Hibbard, of the Hibbard Hardware Co., Athens, Ohio, will forsake the Hardware business to enter the field as a tonsorial artist. While he has fully demonstrated that he is an adept at hair cutting, his ability in that line hardly equals that as a "fish story" teller. However, he always allows some one else to catch the fish, being content to relate the exact size and weight.

P. M. Teegarden & Co., Canal Winchester, Ohio, carry a full and complete line of Hardware, house-furnishing goods, stoves, ranges, etc., and report business very much better than in 1894, and steadily improving. Mr. Teegarden will spend a couple of weeks in the mountains of West Virginia deer hunting.

While spending a half-hour with the genial "Will" Vorhes, of W. M. Vorhes & Bro., Lee P. O., Ohio, dealers in Hardware and furniture, I learned something that may be of value to readers of HARDWARE. Will has been bothered by the breaking of his large lamp chimneys, and discovered that by placing a piece of wire cloth over the top, simply cutting it large enough to cover top and letting it rest on the chimney, the breaking was avoided; in fact, has not had one broken since trying it. Hardwaremen using large lamps would do well to give it a trial.

E. D. Warren, Nelsonville, Ohio, has one of the prettiest stores seen in a day's travel. He carries a full line of Hardware, house-furnishing goods, stoves, ranges, paints, oils and glass. He reports trade very good, and especially so in the tin and slate roofing business. His store was destroyed by fire in February, and he opened in March in his present location. He had just returned from Piqua, Ohio, where he spent a couple of days as the guest of the Favorite Stove & Range Co.

While in Middleport, Ohio, I ran against jolly W. R. Johnson, Bindley Hardware Co.'s river salesman, and it is a pleasure I hope to soon have again. W. R. will dispel the "blues" quicker and more effectually than anything I know of. He reports trade good, and getting better.

H. J. Vanden & Co., Gallipolis, Ohio, are one of the oldest Hardware houses in the Ohio valley. This house was established in 1840 by James Vanden, and has met with the best of success. Mr. Vanden is now in his eighty-first year, but still hale and hearty and able to pay his daily visit to the store. May his years be many more.

Arthur Edwards, Point Pleasant, W. Va., is a Hardwareman with his whole soul in the business. He carries a complete line of everything usually found in a Hardware store, and is enjoying the trade he deserves. He is a genial and clever gentleman, and enjoys many friends.

Those "hustlers," Roberts & Cross, Racine, Ohio, have one of the neatest, prettiest and best stocked Hardware stores in southern Ohio, and are having a trade their enterprise deserves. They have put in shelf drawers, displaying a sample of everything, and the effect is something to be admired. We congratulate them upon their good trade and pretty store, and wish them a prosperous year.

A burglary has occurred in the store of Logan & Higgins, Lexington, Ky. Arms and ammunition taken, and the loss small.

The trade in Ohio is something to puzzle one. While the prevailing sentiment is that business is a decided improvement over last year, there are a few complaints just the other way. The continued drouth through this season has had much to do with this, and the fact that farmers have had nothing to sell has kept trade down. The corn crop now coming in has brightened trade considerably, and all are now cheerful and expectant of a good fall trade.

Builders' materials and shelf ware have not figured very largely in the year's business until recently, but is now counting up. The universal verdict on stoves, ranges, house-furnishing goods and agricultural implements, is that the sale has been more than for the past two years. The sale of "bikes" in this section has been enormous, with a prospect of continuation.

There is a growing desire manifested among Hardwaremen the country over to "get out of the rut," and in consequence the "fin de siecle" Hardware store rivals in appearance, convenience and neatness the heretofore invincible drug and dry goods stores. This is commendable, and is a pleasing feature; in fact, one that affords those interested in the Hardware business much satisfaction, and promises much for the future. The dingy, inconvenient and unsightly Hardware store with its jumble of this, that and the other, unsightly and inconvenient holes and corners for reception of a veritable "hash," its dusty and dirty appearance, once considered a necessary evil of the business, will soon be a thing of the past, and in its place will be the store arranged with a view to economy of space, convenience, order and pleasing effect. Heretofore it was a case of hunt, fish, and finally "I don't know whether we have it or not." Soon it will be, "Yes, sir; how will this answer?" The saving in time in the new method of displaying goods is quite an item, to say nothing of saving of wear and tear on patience and temper of both salesman and customer. Not one in ten customers in a Hardware store can tell exactly what he wishes. The display drawers overcome it, and he sees just what he wants. There is also being shown a disposition to place all bulky goods in warehouses, and there have been a large number erected this year. In fact, Hardwaremen realize that it is just as necessary for them to properly display their goods, and do so neatly, nicely and to best advantage, as it is for the dry goods merchant. Now, as the reform has been started, let all try to give it a boost along.

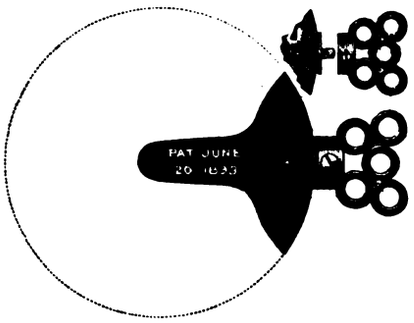
I would like to suggest that a little more attention accorded the display of a Hardware store will more than recompense for the additional time and trouble. A nicely dressed window will attract more attention than a dozen display cards marked "Was 50 cents; reduced to 49 cents." Apropos of windows, H. W. Tonner, Steubenville, Ohio, is an expert in window dressing, and makes it a point to change them often and have them rightly done. The writer stood for an hour just outside and listened to laudatory comments on the same, and was more than convinced that time and money spent in making your windows attractive was indeed well spent. I will say he displayed cutlery in one window and tools in the other, and an at-

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tractive display it was. A little ingenuity, time and expense will make your windows pretty and cause people to stop, look and finally come in. Think on it, and if you agree with me, act on it. "CARO."

Columbia Damper Clip.

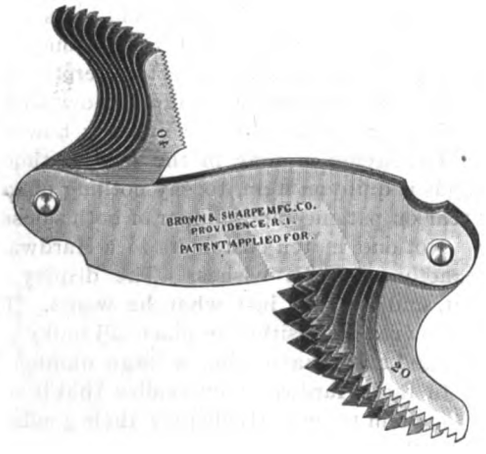
George T. Moe & Co., Philadelphia, Pa., are offering to the public the Columbia Damper Clip here shown. The manufacturers say "that the Columbia is the best clip on the market, being simpler in construction than any other, with nothing about it that can get out of order." The



handle is in one piece and will not go on more than one way, thus doing away with the danger of putting the damper together wrong. The set screw works on a slot inclined to the damper proper, by this means, tightening the set screw regulates the pressure on the pipe, so that the damper will stay in whatever position it is set. If the pipe is worn, a turn of the set screw is all that is required to make the damper tight again. The sheet is made from the thinnest metal up to ¼-inch thick.

New Screw Pitch Gauge.

The Brown & Sharpe Mfg. Co., Providence, R. I., are placing on the market the new No. 20 Screw Pitch Gauge here shown. It has twenty pitches, and in describing it the makers say: "This Screw Pitch Gauge will measure the threads of nuts as well as of screws, and contains the pitches 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, on one end, and 22, 24, 26, 28, 30, 32, 34, 36, 38 and 40, on the other end.



The arrangement of gauges hinged on each end of the case enables any desired number to be quickly placed in position for use. Special attention is invited to two points, which add to the value of the Gauge: the fact that the 10 smaller pitches are on blades made narrower than the 10 larger ones, so that they may have a wider range of use in measuring the threads of nuts; and also that the gauge numbers are stamped on the outside of the frame, as well as on each blade, allowing the user to determine the position of a desired number at a glance."

F. W. Smith, president of the Smith & Egge Mfg. Co., Bridgeport, Conn., has gone abroad in the interests of the extensive and busy company of which he is the official eahd.

Henis Press and Masher.

One of the attractive features of the Food and Health Exposition, now open in Madison Square Garden, is the display of William Vogel & Bros., Brooklyn. Their booth is decorated in maroon and silver, and one of their main attractions is a Henis Fruit and Vegetable Press and Potato Masher, an illustration of which is here shown. Its actual operation is shown by a demonstrator to large numbers of visitors. The operation is thus described: "Take your boiled potato, put it in the press, jacket, eyes, and all—the press takes 'em off, and at the rate of only one stroke per potato. A dish, new in looks, sweet in flavor, a marvel of lightness and a revelation of the goodness of potatoes, is the result. Your potatoes need never be soggy, nor your turnips or squash stringy or watery. Is it necessary to go through the whole long list of vegetables? Has not your mind already added trick after trick to the vegetable chapter? And grapes too. Throw away your strainer and colander, line your Henis Press with cheese cloth or other light material, and bid good-bye to all your fears of swallowing the seeds or pits, and the resulting dreadful surgical operations. Jellies, jams, and juices are quickly and easily turned out without waste, and better results are obtained from less work than any woman ever knew before. Boil your apples, pears, and quinces whole, and let the press separate the stems, seeds and skins from the fruit." A note addressed to Vogel & Bros., Brooklyn, N. Y., will bring further detailed information concerning this useful little machine.



A dispatch from Chicago says: Two young clerks in the employ of Hibbard, Spencer, Bartlett & Co., the wholesale Hardware merchants, were caught stealing. Mr. Hibbard told them they could choose between jail and wearing cards with the words "I am a thief" printed in large letters. They chose the placard punishment. Mr. Hibbard hung the two placards around the necks of the two young men and took them all over the establishment, so that every employee in the large building might witness the disgrace into which his thieving fellow-workmen had fallen. After this Mr. Hibbard called a large colored man in the employ of the firm and stood him between the two young men at the exit, where every man and woman in the store would see them when passing out at six o'clock. They were then discharged.

Meier, Heldt & Rosenfeld, proprietors of the "Humboldt," general merchandise, Nos. 743 to 747 West North Avenue, Chicago, are in the market for general Hardware, and would be pleased to receive catalogues from the trade. Mr. Rosenfeld, who has charge of the Hardware department, is well known to the trade in Chicago, and although yet a young man, is what is named in the language of Chicago "a hustler." They have put up a plant at an expense of over $70,000, and are in a locality for large and excellent trade.

It is announced that the co-partnership heretofore existing under the firm name of Linsley, Root & Co., New Haven, Conn., has been dissolved by mutual consent. Frank J. Linsley and Robert C. Lightbourn formed a partnership to continue the business under the firm name of Linsley & Lightbourn.

Standard Fibre Ware Co., Mankato, Minn.: We like your paper as an advertising medium, and think it one of our best Hardware papers to make known to dealers what manufacturers are making.

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HONESTY IN SMALL THINGS.

Mr. Merchant, I ask you this personal and pointed question: Do you feel it your duty to inculcate such lessons of honesty into the minds of your clerks as you should?

There were many good things in the old-time relationship of master and apprentice. In many ways it was much nearer that of father and son than is the situation between employer and clerk to-day. We ought to get back to the old spirit and feel that we are responsible to society, to the young man, and to our better selves in the way in which we do our duty by our clerks.

Here are boys and young men looking to us for their standards of a business life. It is our duty to give them a chart so clear and so true that it shall guide them safely through the sea of temptation to the port of honor.

We cannot too constantly glorify honesty. It is the basis of all trade, no matter the line or the volume; equally with the corner grocer, the princely retailer, the jobber and the banker. It is the foundation stone of the only edifice of personal character that is worth having. It is a reputation of far greater value in the markets than is the possession of riches. The poor man with this reputation for honesty can secure that which is denied to the rich man who has it not.

But looking over the business world and the relations between modern merchants and their clerks, it seems to be taken for granted that the employer has no concern regarding his clerks, except to see that they perform the labor for which they are paid. He fancies that his abilities are so great, and known by them to be so, that they would not dare steal so much as a nail from him. That some clerks do steal from their employers he is well aware, but his confidence in himself is so great he passes this by, saying that those clerks could not have hoodwinked him in any such manner. We are all very kind in our judgments of ourselves.

There is but one way to train a clerk in the ways of honesty in which he should go; this is by giving him precept upon precept; by setting him a good example, and by no means least, by never relaxing proper watchfulness over him.

The French have a saying that

"Opportunity makes the thief."

That this is true, every man of experience will bear witness. The men who go wrong are very largely the most trusted ones; the ones who know that their figures will not be checked back, nor their balances verified. The confidence placed in them becomes carelessness; they see this, and the tempter whispers that it would be both safe and easy for them to help themselves, and they finally fall.

The boy who comes into your store should be taught, and taught so that it will impress itself upon his mind as a matter of the greatest importance, that what is yours is not his, and that you expect him to be as scrupulously honest about a trifle as you do with the cash in the drawer.

I once talked with a man who had served a term in prison for embezzlement; he said that the first step in his downfall was the stamp drawer. The clerks in that store, as in many, if not in most stores, helped themselves to stamps from this drawer for their private letters, using the firm's stationery also. What more natural than that they should take a few more stamps if they were ordering some trifle by mail? Having made this start and seeing no trouble therefrom, how easy it was to take a larger amount when a more expensive article was wanted! The step from the dollar's worth of stamps to the dollar itself was not a very long one, and then to larger amounts, followed at length by discovery and prison! This was the man's story, and it set me to thinking.

One would suppose that one such example as this would be a life-lesson to all clerks, but it is not, and it makes very small impression upon those who hear it. A gentleman was giving me the details of his experience with a dishonest bookkeeper whom he sent to prison. Of course, it was the one topic of conversation in his store, a large concern in one of the leading cities in the United States, yet within a few weeks of this trial he discovered a young man in the retail department stealing from them, by entering his cash sales as less than they were and pocketing the difference! If clerks are to be deterred from dishonest practices by the punishment of those detected in crime, here was a place where the rule should have done its work, but the truth is that every dishonest clerk imagines that his scheme is absolutely safe and never can be discovered.

A man who has a large mail business was speaking regretfully of the fact that so large a part of his remittances came in the form of postage stamps. I asked him why he accepted them.

"For two reasons," he said; "in very small places they are all that can conveniently be obtained to send for small amounts; the other reason is, a very large part of the postage stamps I receive come from clerks in business houses. Where do they get them? I fancy a large share of them come out of the stamp drawers in the stores where they are employed, and if I refused to accept them I would lose just that much trade."

The boy who helps himself to a stamp will very soon present his pocket with a knife, and then with something of greater value. If a comrade to whom he happens to show the knife wants it so much that he buys it then and there, your clerk has accidentally been shown an easy way of turning your goods into cash for his own benefit, and he may not stop with this one transaction.

In a majority of small retail stores the cash received from sales is dropped into the drawer and no minute of any kind made of the transaction. Every clerk knows that there is slight, if any, chance of his being detected if he pockets all or part of the proceeds of a sale that he makes when others around him are busy. The opportunity is so inviting that he cannot resist it, and the downward course is started. But if a jury of business men were to pass upon all the circumstances of the case they would be compelled to place the greater share of the blame upon the employer because of his unbusiness-like methods, or rather lack of method.

The cases of dishonesty upon the part of clerks that are made known to the world are but a small part of those that are discovered by their employers. Frequently the dishonest act is punished only by the discharge of the one caught in it, and the world is better because this is so. Not everyone so discovered is beyond the hope of redemption. Many men occupying positions of trust to-day were caught doing wrong in their youth, were given another chance, and proved themselves worthy of trust.

I pass almost daily a man who is filling a responsible position honestly and well, who was, ten years ago, caught stealing from his employers. The circumstances were carefully considered and he was told that he would be given another chance. His pay had been small. He had a wife and baby. He wanted to do more for them than his wages justified, and he fell. But when he faced the possible disgrace, the prison, the awful gulf yawning before him, he fell on his knees and pleaded so piteously for another trial that it was given to him. I think the recording angel felt happy as this was written down to the credit of the men who showed such mercy. He secured another situation.

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He has done his work well, and knowing all the circumstances, I would not hesitate to trust him fully to-day.

We need to keep constantly in mind the remark of the Widow Bedott: "We are all poor critters."

It does not become us who have so many sins on our own heads to judge with too great severity those who lapse from the straight line of honesty. Especially do we need to ask ourselves how much were we to blame in it all? Did we open the way for the crime? Did we make it easy to accomplish?

The Saviour of all mankind told us to ask God daily to "Lead us not into temptation."

It is a wise prayer. But do we lead others into temptation by placing stumbling-blocks in their path; by refusing to take ordinary precautions to preserve their honesty? Is every transaction in the store one that will bear the full light of publicity? Do we pat our clerks upon the back when they overreach a customer? If we do these things we are leading them into a pitfall and wronging them as well as wronging ourselves. If they fall they should not bear the punishment alone.

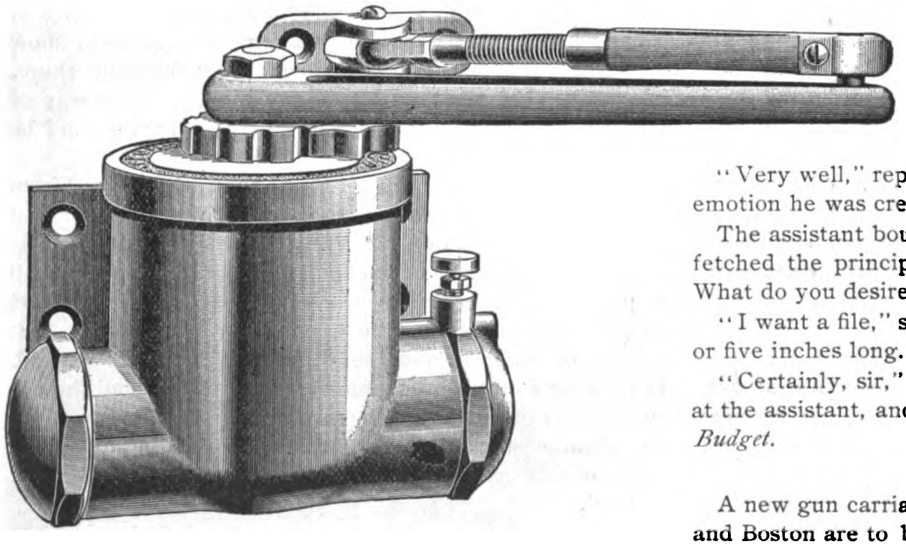
Yes, that is a good prayer for both merchants and clerks:

"Lead us not into temptation."

An Old Merchant.

Blount Door Check and Spring.

The Yale & Towne Mfg. Co., Stamford, Conn., have by recent arrangement become the sole selling agents of the Blount Door Check and Spring, which is herewith illustrated. The operating mechanism consists of an actuating spring and a controlling cylinder and piston, with automatic valve. Suitable brackets and arms are provided for



attachment to the door and its frame. It contains two opposing powers, namely: the Spring, which operates to close the door, exerting its greatest power when the door is nearly closed, and the Check, which, by the cushioning of the piston on the liquid in the cylinder, controlled by an automatic valve, regulates the closing of the door, so that as it nears the jamb it almost comes to a stand-still, and then quietly but positively closes by the operation of the spring.

The company say "that the parts of the device are so organized that the greater the force exerted to close the door the greater the resistance which will be offered by the checking device, thus enabling it, under all conditions of pressure from hand or draft, perfectly to control the closing of the door."

It is constructed in six sizes, for use on all sorts of doors, from the lightest to the heaviest, and the prices range from $3 to $10. It is furnished in a variety of finishes, including gold bronze, silver bronze, brass, bronze, nickel, copper, oxidyzed silver, or in solid brass or bronze if desired. The company (in referring to the pamphlet descriptive of the Check) which they are distributing say, "in presenting articles of this kind we have adopted a new method, which consists in illustrating not only the external appearance and internal construction of the device, but also its appearance and method of application under a variety of actual and typical conditions of use."

The pamphlet contains illustrations showing the Check in operation in the Postal Telegraph Building, New York; on a Pennsylvania Railroad ferryboat, and at other places of like character.

Sothern's Little Joke.

The following little story is told by Mrs. John Wood. She and *Lord Dundreary* were playing at Birmingham, when they accidently met in the neighborhood of New Street, shook hands and bade each other good morning.

"Would you mind going in here with me?" he said. "I want to make a little purchase;" and they entered an ironmonger's shop.

He went up to the counter and said: "I want Macaulay's 'History of England.'"

The assistant replied: "We don't sell books, sir; this is an ironmonger's shop."

"Well, I'm not particular," said Sothern, pretending to be deaf. "I don't care whether its bound in calf or russia."

"But this is not a bookseller's," shouted the assistant.

"All right," said Sothern; "wrap it up neatly and send it to my hotel. Put it up nicely; it's a present I wish to make a relative."

"We don't keep it," shouted the assistant, red in the face.

"Do it up as if it were for your own mother; I don't want anything better than that," said Sothern; "and I'd like to write my name on the fly-leaf."

"Sir," bawled the assistant at the top of his voice, "can't you see that we don't sell books?"

"Very well," replied Sothern, quite undisturbed at the emotion he was creating. "I will wait for it."

The assistant bounced to the other end of the shop and fetched the principal, who asked loudly, "What is it, sir? What do you desire?"

"I want a file," said Sothern, quietly, "a plain file, four or five inches long."

"Certainly, sir," said the principal, with a withering look at the assistant, and produced the article needed.—*London Budget.*

A new gun carriage, with which the forts of New York and Boston are to be equipped, has been invented by Colonel Buffington of the Rock Island Arsenal, and promises to be quite an improvement over the carriages formerly used. In this invention the gun is mounted on the upper arms of two long arms or levers, which are themselves mounted on a pivot joining them near their middle joint, while from their lower joint is hung a counterpoise which is but a small per cent. heavier than the gun. The recoil of the gun when it is fired overcomes this preponderance in weight and it is thrown back into the fort out of sight of the enemy, where it can be reloaded with safety. By mechanical means the gun is first thrown nearly straight back till the muzzle is clear of the port hole, and then it descends as the counterpoise rises. The gun is held down in this position by a clutch until reloaded, when it is easily released and again put in position for firing. These carriages have been constructed for guns as large as a twelve-inch, and a ten-inch gun has been fired as rapidly as ten shots in eleven minutes and forty-two seconds. One officer and eleven men are required to operate each gun.—*Davenport (Iowa) Times.*

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

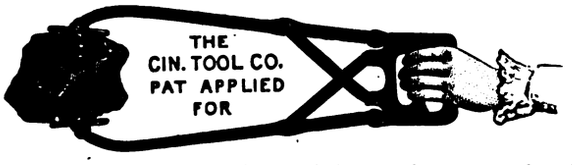
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Perfection Coal Tongs.

The Cincinnati Tool Co., Cincinnati, Ohio, are offering the Coal Tongs herewith illustrated. The action of lifting



the coal closes the jaws, the weight coming upon the slide. The heavier the lump the easier it can be handled. It is stated that a child can use them with ease, and there are no springs to get out of order. The total length of the tongs is 15 inches, and they open to a width of 9 inches. They are furnished nickeled and japanned.

The Boss Sign Printer.

Weaver, Palmer & Richmond, Nos. 31 to 35 E. Main Street, Rochester, N. Y., are introducing to the trade the Sign Printing Outfit herewith illustrated. Each set consists

Best

of full alphabet of capitals, lower case letters, figures, dollar and cent mark, points, complete set of ornaments, pair of ink pads, large metal tube of ink, rule that will not slip while in use, and nickel-plated sliding spacer. Each letter is plainly marked on the top so the required one can



be picked out at a glance, and the whole set is inclosed in a neatly finished wood case. The words "Best" in the illustration show the exact size of the letter. The price of the set is $4.00.

Self-Pouring Tea and Coffee Pots.

The Asbury-Paine Mfg. Co., Wayne Junction, Philadelphia, Pa., are putting on the market a line of Self-Pouring Tea and Coffee Pots. Fig. 1 is a sectional view of a teapot. The spout extends downward over the front of the pot to the bottom, forming a passageway the entrance to which is protected by a strainer which fits completely over

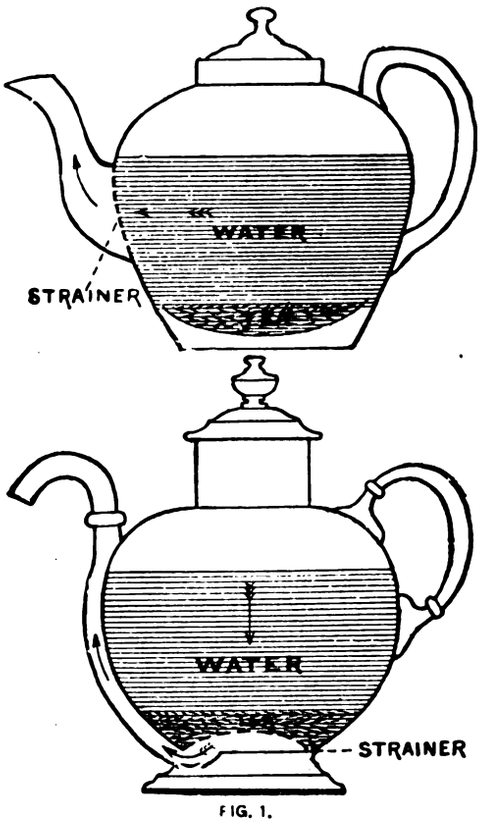


FIG. 1.

the bottom of the pot. The cover or lid is attached to a hollow cylinder which slides within the neck of the pot, but is tight enough to prevent an escape of air. The ornamental knob on the lid has a small air hole communicating with the cylinder. When the lid is drawn up air enters the pot by way of the air hole and when the cylinder is depressed pouring is effected. Advantages claimed for the pots are that pouring from the bottom, beneath the tea leaves or coffee, every drop of liquor has to pass through the matter, and a better and more uniform beverage results; that the pot has not to be lifted from the table, and

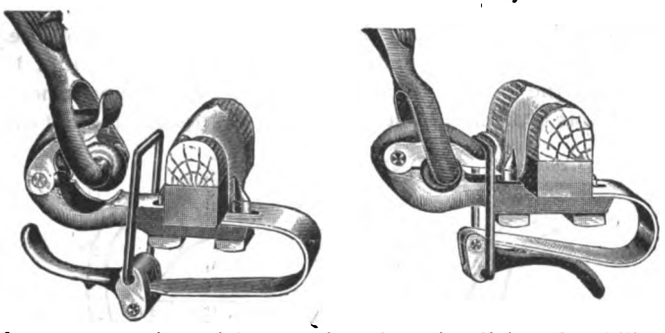


that the pouring action being instantly stopped there is no drip, and the danger of soiling a tablecloth avoided. The pots are made of sheet steel, tinned and nickel-plated, also in German silver and white metal, with quadruple silverplate. The finer goods are made in handsome designs, such as are followed by leading manufacturers of silverware, with extended spouts.

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Bradley's Shaft Coupling.

C. C. Bradley, Jr., P. O. Box 12, Syracuse, N. Y., is placing on the market the Shaft Coupling shown herewith. The illustrations represent the coupling both open and closed. The features recommended by the manu-



facturer are: its quickness of action, simplicity, du ability and its non-rattling qualities. It is further stated that there are no nuts, bolts, screws or rubbers, and a wrench is not needed to adjust it. Also it saves space in a stable, as the shafts can be removed from the vehicle, thus giving increased floor space.

No-Germ Filters.

The Victor Mfg. Co., Saginaw, E. S., Mich., are offering to the trade the Water Filters shown here. The illustrations represent the filters one-half the full size. Fig. 1 is intended for use on a faucet with a ¾ inch hose pipe thread. Fig. 2 is for use on a plain faucet. The filtering medium used in these filters is Tripoli natural stone. The manufacturers say that "the filter is neat in appearance and the construction first-class." The water passes through the filtering stone B and is delivered filtered into center of stone D and at outlet G. All impurities are deposited on the surface of the stone, from which they can readily be removed by brushing. E is a cap that is cemented on to bottom of stone and screwed to bottom of filter F, with the outlet screw nut G, a pure rubber washer being placed between E and F, preventing unfiltered water passing from

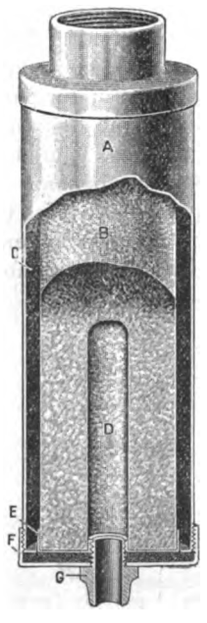


FIG. 1.

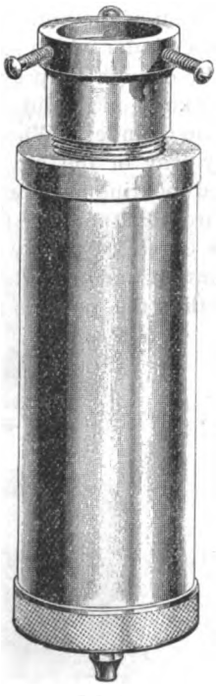
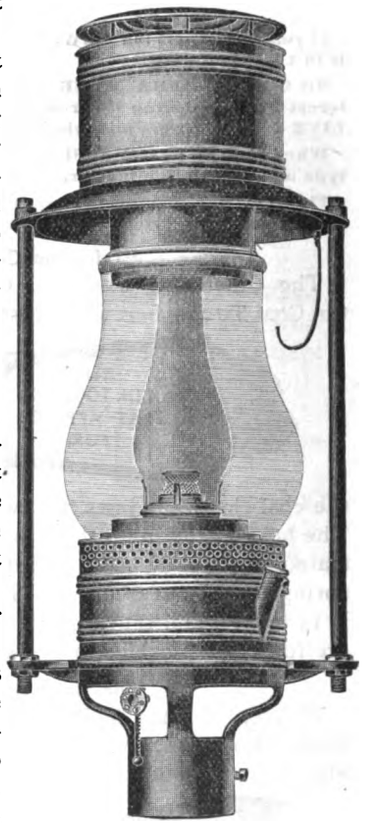


FIG. 2.

the filter, and also making a tight joint between outside shell A and bottom F. It is further stated that the arrangement for removing the stone for cleaning is very simple. This natural filtering medium is unlike any other stone. It does not absorb and receive into its pores the filth it extracts. Impurities never penetrate, but lie on the surface of the stone, which should be cleansed, when necessary, with the brush provided, and afterwards rinsed. This removes an imperceptible amount of the surface of the stone, presenting a fresh filtering surface to the water. After long use the stone will be found internally as pure and white as when originally mined. The wearing away of the stone is the important feature of its success. The stone will last at least one year and often much longer, varying according to condition of the water supply. They are furnished in brass, highly polished and nickel-plated, and no parts of glass or other weak material to break by pressure or falling.

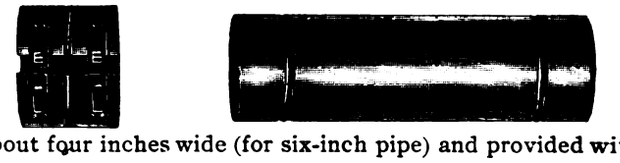


Miller's No 53 Street Lamp.

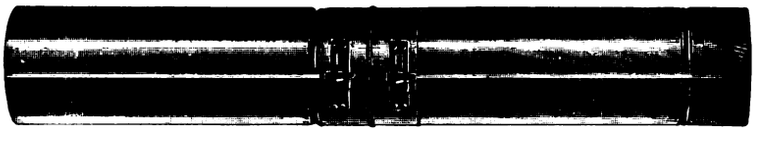
Edward Miller & Co., Meriden, Conn., are offering to the trade the Street Lamp illustrated here. The frame is of black iron with lamp and top in green. It is fitted with a socket 3¼ inches, inside diameter, for use on post or bracket. The fount holds two quarts of oil, enough to keep the lamp lighted twelve or fifteen hours, according to the height of the flame. The burner is of the centre draught pattern. The lamp is said to give a steady white light, the flame being regulated by turning the button under the fount.

Improved Pipe Joint Cover.

James Woodside, Hawarden, Iowa, has patented a Pipe Joint Cover which will be placed on the market as soon as arrangements with the manufacturers can be consumated. The joint cover consists of a narrow band of sheet iron



about four inches wide (for six-inch pipe) and provided with clips and binding keys to draw the band tight and hold it firmly together. The band has also a head or groove extending circumferentially around the center which is to fit over the beads on the common pipe, as the bands work on old style as well as especially made pipe, and also to fit over the lips or burrs on the ends of sections of especially made pipe when said special pipe is used. The special pipe sections are made the same size at both ends and do not slip one into the other as does the old style pipe, but the ends of the section butt up together and meet in the groove of



the band. The inventor says, "pipe put together with these bands will last much longer than the old method pipe, besides being always straight and absolutely solid and secure, and is positively gas and smoke tight and no fear need be entertained about the pipe falling down or coming apart and smoking the walls or spoiling the carpets with soot and dirt, as frequently happens with the old style pipe." No wires are needed, it is claimed, in putting up this new pipe as it is practically all one piece from stove to chimney, the elbows being connected in the same manner as the pipe.

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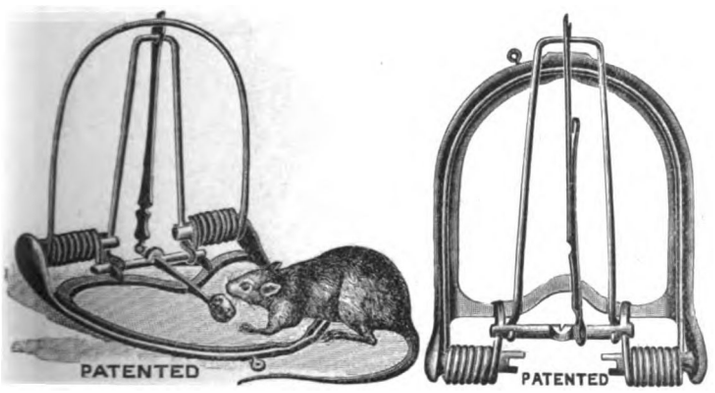
The "Tracy" Oil Filter.

The Phœnix Automatic Filter Co., of Racine, Wis., have brought out the "Tracy" Filter, illustration of which appears here. The makers say "that this Filter is built on an entirely new system. The filtering discs used in it translate the partly filtered oil from the storage chamber to the accumulator on the same principle as the oil passes from the reservoir of a lamp to the flame, the operation being analogous to distillation. The oil is therefore restored to its former condition, and the filter is also practically self-cleaning and is automatic in its regulation. The materials used in its construction are not affected by the action of ammonia, and the large storage capacity gives abundance of space for the perfect operation of the liquids." To operate the Filter pour in sufficient water, preferably soft water, to fill the casing to the height of the water mark on the casing back of the water gauge. Then pour in the oil to be filtered through the funnel at the top of the casing. The oil descends into the distributing chamber at the base of the filter, where the flow of the liquid is temporarily checked, precipitation taking place; it then passes through openings in the sides of the distributing chamber, giving it a rapid rotary motion in passing through the water, and in ascending to the surface of the water by specific gravity, the dirt and acid is partly thrown off from the oil by centrifugal force, and it then accumulates in the storage chamber, where further precipitation takes place; the lighter particles of the impurities constantly ascending in the direction of the overflow, and the heavier particles settling downward through the water in the direction of the wash cock. The oil gradually passes through the clarifying discs into the accumulator until it is filled; and as clean oil is drawn for use, the accumulator is constantly refilled by further clarification from the storage chamber.



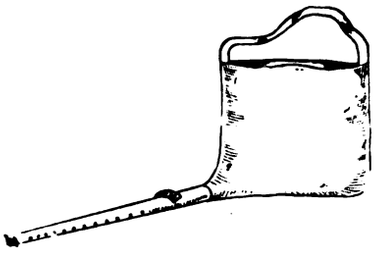
Improved Rat Killer.

J. R. Schuyler & Co., Bloomsburg, Pa., are introducing an improved Rat Killer as herewith shown. The features of the trap are its simplicity in setting, as by pulling up the spring it snaps in place ready for use; also that animals are not obliged to step on wood or iron when nibbling the bait. The light, skeleton-like appearance of the trap is referred to as assuring the animals of no danger, and the trap being made entirely of metal, it is stated, retains no odor of the killed ones. The trap folds up as in Fig. 2, and can be carried in the customer's pocket, and boxes nicely for shelf goods.



The O. K. Grass Seeder.

The Saginaw Hardware Co., Saginaw, Mich., are marketing a Grass Seeder as shown herewith. It consists of a bag to hold the seed, to be hung in front of the operator, to which is secured a tin tube 30 inches long. The seeder is provided with a dial gauge to enable the operator to sow accurately any number of quarts to the acre. At the end of the tube are teeth to distribute the seed as it comes from the seeder while along the tube are small holes for the seed to come through as it forces its way along the tube. The manufacturers say "that the seeder spreads the seeds a great distance, that it will sow perfectly wherever a man or horse can walk, and that it will sow a large number of acres per day."



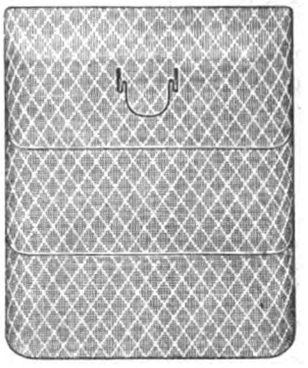
Dow's Coil Door Spring.

The Dow Wire Works, Louisville, Ky., are placing upon the market the Coiled Door Spring here shown. It is intended for screen doors, and it is referred to as "far superior to a spring hinge, as when it gets weak it can be readjusted, while the spring hinge is nearly always used up in one season, or less." It is made of the best grade of spring steel wire and nicely japanned, and put up one dozen in a box with the necessary eyes to attach it. Prices and catalogues can be had by addressing as above.



Dow's Wire Spark Guards.

The Spark Guard here shown is one of a large line successfully made by the Dow Wire Works Co., Louisville, Ky. These are of various kinds and sizes, the details and prices of which will be furnished upon application. Their No. 5 is ⅞-inch diamond mesh, tinned wire, crimped; their No. 2 is 1¼-inch diamond mesh, coppered wire, crimped; their No. 4, ⅞-inch diamond mesh, tinned wire, crimped. These run in sizes from 16 to 24-inch. They are referred to as necessary to every grate, as there is no danger of children falling into the fire or ladies dresses burning when these guards are used. They also make a lined Spark Guard, either square top or round top. These are made without hooks, and are intended to set down on the hearth. They are make either tinned or coppered, as desired. The company also manufacture Wire Nursery Fenders which are set on the hearth and used before open fire-places and grates to keep children and ladies' dresses from the fire. Their catalogue of wire goods will be sent upon application.



The Chicago *Record* says: "There is a fair prospect that the early days of October will witness the resumption of business by the Hardware house of the Woodrough & Hanchett Co., Nos. 38 and 40 Lake Street, in the hands of a receiver since August 3rd. Arrangements for settlement have been made with all but two or three creditors."

The aluminum works at Lockwood's bridge, Eastchester, N. Y., which have $40,000 worth of machinery, are turning out daily three tons of aluminum.

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ILLUSTRATED BICYCLE NOVELTIES.

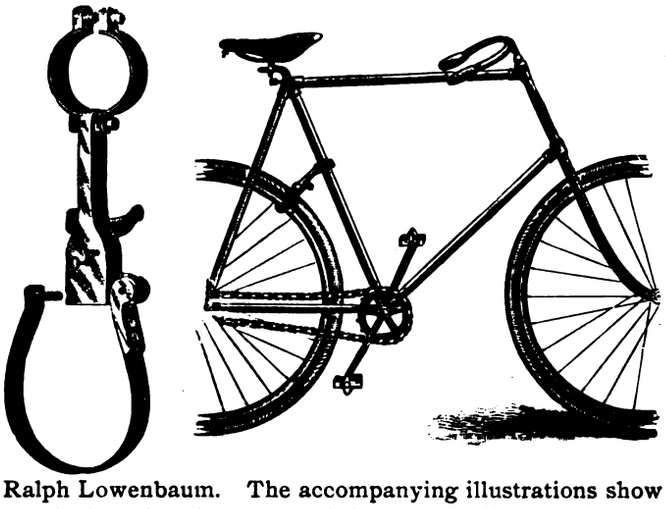
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

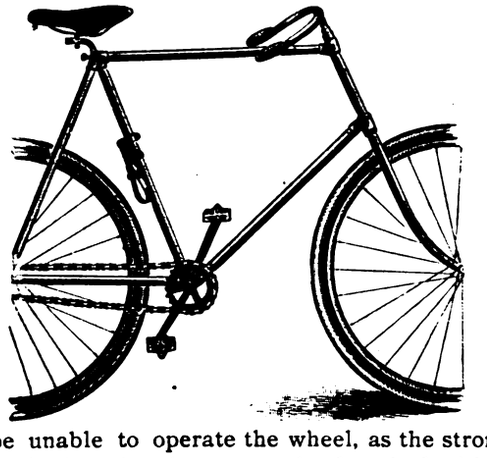
When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Ralph Cycle Lock.

The Ralph Cycle Lock Co., Nos. 801 and 802 Western Union Building, Chicago, Ill., are manufacturing and marketing the Ralph Cycle Lock, invented and patented by



Ralph Lowenbaum. The accompanying illustrations show the lock reduced to one-third of the full size; also the method of locking and how the lock is attached to the wheel. The manufacturers say that "the special advantages of this lock is that it is at all times attached to the frame, thus obviating the necessity of carrying the lock in the pocket, where it is apt to be forgotten, or else become a burden." The lock is manufactured of aluminum, except the band for clasping the tire, which is made of strong steel spring. The key is only used for unlocking, as the lock fastens with a spring. The weight of the lock is but two ounces, and being of aluminum it does not tarnish. The lock can be either bolted or riveted to the bicycle frame, as desired. It will be observed that even if an intending thief should have time to unbolt the lock from the frame, he



would be unable to operate the wheel, as the strong steel spring encircling the tire cannot be detached without unlocking it or destroying the wheel. The locks are put up in neat boxes and are sold at a price that enables their being retailed at 75 cents.

Champion Tool Bags.

The Champion Mfg. Co., No. 424 Broome Street, New York, are placing on the market the Tool Bags for bicycles as here shown. The Gusset Bag, illustrated in Fig. 1, is made gusset shaped at the ends, similar in construction to the ends of a satchel or handbag. The advantages of the gusset bag claimed by the manufacturers are as follows: That it makes the bag air-tight, excluding dust and protects the tools from rusting, and that the shape of the gusset



FIG 1.

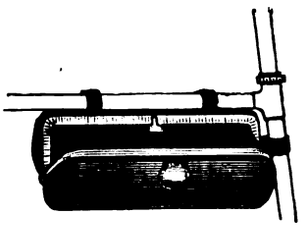
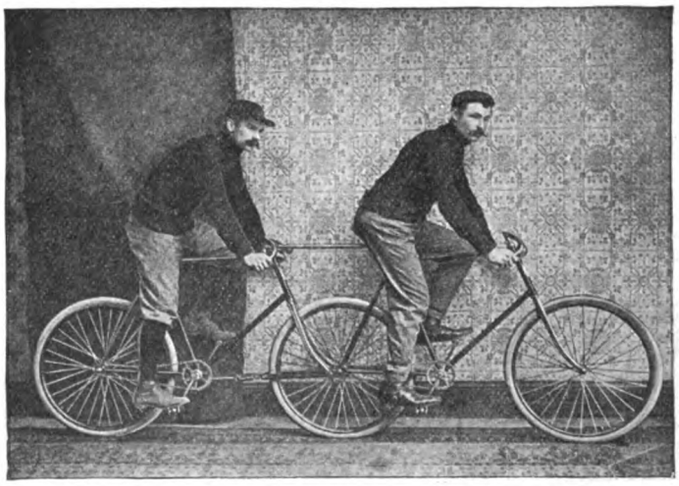


FIG. 2.

widens the lower part of the bag, forming a natural berth for the tools, preventing them shaking and rattling. The bag is furnished in black, colors and alligator, 2½ and 3 inches deep. The Frame Bag, Fig. 2, is seamless, and is provided with a japanned metal frame, to which straps for attaching it to the bicycle frame are fastened. A turnkey working in one part of the frame passes through an opening in another part of the frame and serves as a means for locking the bag. It is pointed out that the bag opens easily without touching the straps or buckles, and that it permits of easy access to the tools. The bag is made only in black, 2½ inches deep.

A Three-Wheeled Tandem.

M. Jakobson, No. 185 E. 79th Street, New York, has patented and is manufacturing a Three-Wheeled Tandem, representation of which appears here. Mr. Jakobson's invention is simply an attachment by which two persons desiring to take a spin together can readily make a tandem by joining their wheels. The front wheel of the rear bicycle is removed and its forks are attached to the hub of the rear wheel of the front bicycle. A steel rod makes a connection also on the level of the saddle. The rear section is equipped with a steering apparatus, thereby enabling the rear rider to assist the forward rider in making a short turn when required. The maker says, "by one of the attach-



ments you have the advantage of riding singly or in tandem as may be desired, and should an accident befall the wheel by replacing the forward wheel in the rear section of your tandem you have again a complete bicycle until the injured parts are repaired."

The Pathlight Cycle Lamp.

The Place & Terry Mfg. Co., No. 215 Centre Street, New York, are introducing the Pathlight Bicycle Lamp, illustra-

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tions of which appear here. In Fig. 1 the lamp is shown ready to be mounted on a wheel. It has a round body with a large double convex photo-lens in front, and a small round ruby signal light on each side. For convenience in filling, the oil filler is on the outside. The lamp is designed

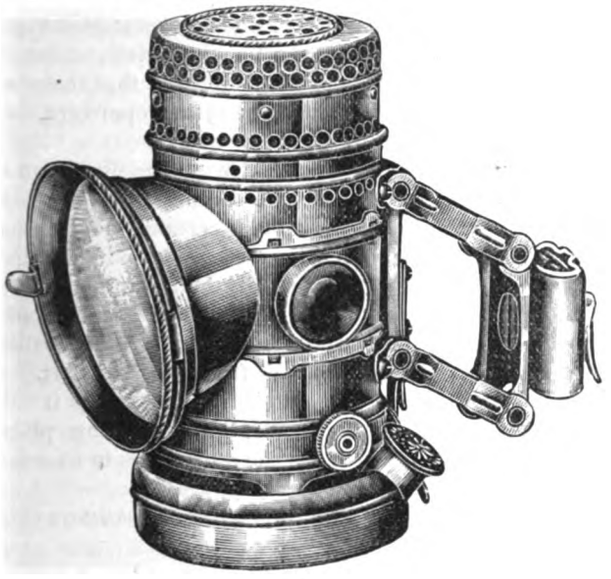


FIG. 1.

for burning kerosene only, although lard or any heavy oil may be used. In Fig. 2 a longitudinal sectional view is given showing the construction of the lamp. The top, as well as the oil reservoir (or fount), may be disconnected from the lamp body. The top is fastened to the body by a three-way bayonet lock, while the fount is held in place by a spring catch and pin. The burner is permanently fixed to the oil fount and is provided with oil "catchers" to prevent leakage or drip in case the lamp is heavily jolted or overturned. Around the burner is a ring holder or gallery, which is fastened to the fount by three legs to prevent the heat from passing down into the fount. Within this ring is a disk which has two circles of small openings which admit the air to the lamp body (below the burner) in horizontal jets, which serve to keep the lower part of the lamp cool, besides supplying the flame with air. The lower part

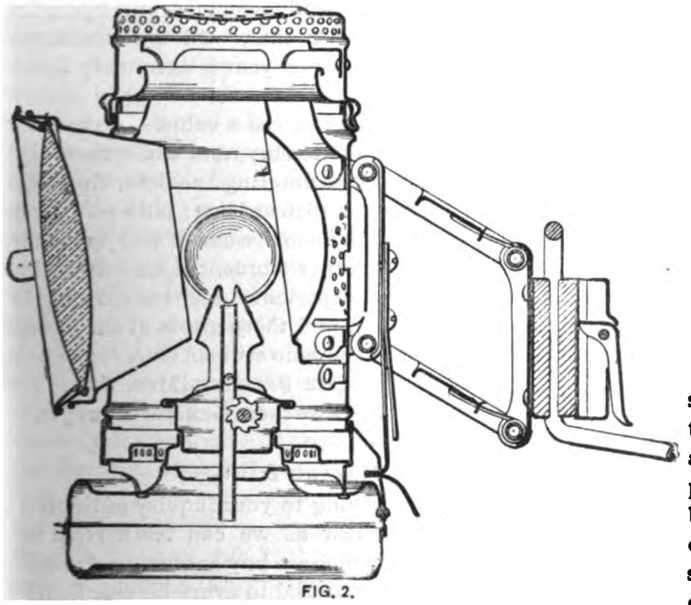


FIG. 2.

of this gallery ring is in form of a skirt to protect the openings in the disk from wind currents. Around the top of the lamp are two rows of cold air inlet holes, and two rows hot air outlet holes. The cold air inlet holes are protected on the inside by upward deflectors, so that the stronger the wind the greater the upward draft and brighter the flame inside the lamp. The hot air outlet holes are protected by a disk or deflector to prevent any air currents passing down to affect the flame. The manufacturers claim that it is absolutely impossible for any wind or gale (no matter how strong), to blow out this lamp. To provide against the flame being affected by jolting, two coil springs are inserted in the handle, one acting against the other. The reflector can be easily removed for polishing. The clamp to attach the lamp to the bicycle has within it a soft rubber lining, and a steel plate which is acted upon by a cam lever. In Fig 2 the clamp is shown attached to a bicycle's bracket, the cam lever being closed. In Fig. 3 the lever is shown open to admit the bracket easily. It is furnished in nickel, gilt or bronze, and weighs but 12 ounces.

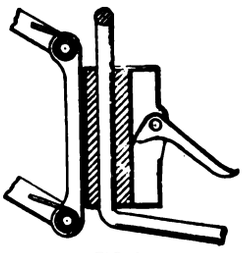
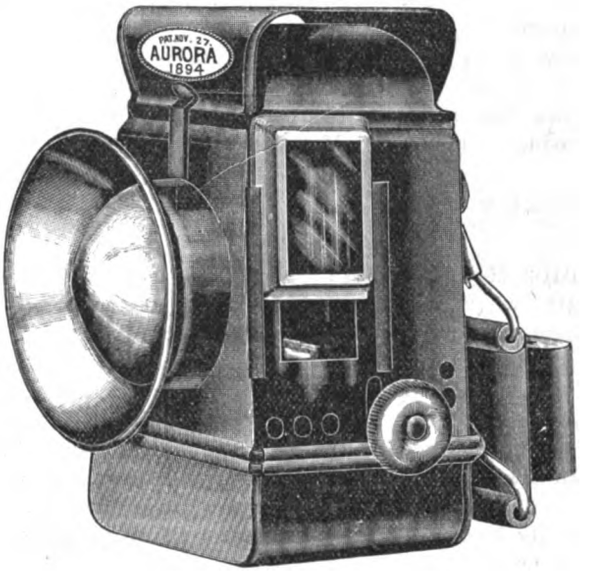


FIG. 3.

Aurora Bicycle Lamp.

The Anglo-American Cycle Fittings Co., Nos. 105–107 Chambers Street, New York, are introducing the Aurora Bicycle Lamp illustrated herewith. The lamp is 4½ inches in height, weighing 10½ ounces, finished, except the nickeled parts in black enamel japan. The top is hinged and the oil pot with burner takes out from the bottom. The burner is provided with a spring plate, pressing the wick closely to the ratchet wheels, to prevent the wick jarring down or changing position when in use. The front flange of the reflector and the frames of the side lights are of brass, nickel-plated and polished, the back reflector is of planished brass, silver-plated, and the parts of the back attachment are nickel-plated. The side lights are of ruby glass, one raising for lighting the lamp. It is explained that the interior of the lamp is so constructed that the draft does not act directly on the flame and that it is almost impossible to extinguish the light by any jar or by wind when the lamp is in use. This is accomplished, it is shown, by the air being received through perforations in the back and part of the



sides of the lamp body into the first or outer air partition; thence it travels upward and meeting the top, which forms a cap on the partitions, is forced down through the inner partition to the air chamber, formed by the oil pot and inner bottom, thence upward to the burning tube. The products of combustion pass out through the canopy top; thus a constant and uniform circulation and inlet of oxygen to assist combustion is secured. The lens is referred to as being what is termed a mechanically true parabola, which by its shape and focus collects and greatly intensifies the light. It is stated that as a result the flame cannot be seen at any point of vision, but only a bright illuminated disk. It is said that the lamp burns ten hours without refilling and that the wick will not char.

The National Nail Co., Paterson, N. J., incorporated. Stock, $500,000.

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BICYCLE PROPHECIES FOR 1896.

WARWICK & STOCKTON CO.

Editor Hardware: We are in receipt of your favor of October 3d, and in reply would say we can give you no idea of the quantity of bicycles that will be manufactured next season. We think there is no danger yet of the industry being overdone. We do not think the machinery can be built in time to overdo it for the year of 1896. We, ourselves are working twenty-three hours per day at present, and shall continue to do so until June 1st, and are putting in machinery as fast as we can get it from Pratt & Whitney Co., Garvin Machine Co. and Lodge & Davis Machine Tool Co. We shall make for the trade upwards of 75,000 pairs Gem Hubs before the first of June. This will give you some idea of the business for 1896. We think the Hardware dealers will be the future distributers of cycles.

Yours truly,

Newark, N. J., October 4, 1895. Warwick & Stockton Co.

E. C. STEARNS & CO.

Editor Hardware: In answer to your favor of the 3d:

First: We estimate the production of bicycles in the United States for the season of 1896 to be at least one million.

Second: Probably seven hundred and fifty thousand were manufactured in 1895. Probably one-half of these were marketed by the Hardware trade, either wholesale or retail.

Third: We expect to see no change in prices next season. In our judgment the manufacture of bicycles is not being overdone at present, nor do we think it will be for the next year or two at least. Of course it is impossible to forecast the future.

Allow us to say in conclusion that bicycles are legitimately within the lines covered by the Hardware trade, and the interest of Hardware dealers in them seems to be increasing each year. Very truly yours,

E. C. Stearns & Co.

Syracuse, N. Y., October 5, 1895. H. E. Maslin.

HUNT MFG. CO.

Editor Hardware: In reply to your esteemed favor of the 4th, we would answer your inquiries as follows: We estimate that there will be manufactured in the United States during 1896 at least one million bicycles. During 1895 we are of the opinion that between five hundred thousand and six hundred thousand wheels were made.

We have no basis for an opinion as to how many wheels the Hardware trade marketed during the past season, but we should think that the Hardware trade must have undoubtedly been a considerable factor in disposing of the bicycle product.

We do not believe that the prices of bicycles in general will be changed from those of the past season, nor do we consider that the business is as yet being overdone.

Yours very truly,

Hunt Mfg. Co.

Westboro, Mass., October 7, 1895. C. B. Tewksbury, Secretary.

SNELL CYCLE FITTINGS CO.

Editor Hardware: Replying to your inquiry of 3d inst. would say that an opinion or an estimate as to the entire number of bicycles manufactured in America during the past year, would of necessity be somewhat of a guess. The number of makers in many small towns are very numerous, and we shall base our estimate on the number of standard makers, that is bicycles manufactured by reputable concerns.

As near as we can conservatively estimate it, we should say that there were at least 500,000 bicycles manufactured during the season of 1895. As to your inquiry about the number to be made in 1896, we should say that there will probably be an increase of at least 25 to 40 per cent. over 1895.

As to your third question, relative to the number marketed by the Hardware trade, we can hardly base an estimate, but the Hardwaremen have certainly become an important distributing source for the bicycle manufacturers and every year they will undoubtedly be more in evidence.

As to prices, there cannot well be a decrease as labor is higher and some of the material has advanced. We believe there will be no change in prices from those of 1895. As regards the general demand, our order book shows it to be very much on the increase, as orders are being placed earlier and in every department the quantity is in excess of 1895. Very respectfully yours,

Toledo, Ohio, October 5, 1895. The Snell Cycle Fittings Co.

PEERLESS MFG. CO.

Editor Hardware: It is extremely difficult for us to answer the first three questions in your favor of the 3d inst. Any expression of opinion as to the number of bicycles, either manufactured in 1895 or to be made during the coming season, must of necessity be merely an estimate. The general opinion seems to be that there were about 300,000 turned out during the past season, and that from 500,000 to 600,000 would be a fair estimate for 1896. As to the number marketed by the Hardware trade, we are entirely without any figures whatever which would guide us in a statement of this sort.

The prices of bicycles for the coming year will, we think, be higher; that is to say there will be a tendency on the part of manufacturers not only to maintain the prices on high grade wheels, but also to put upon the market a wheel with more attention given to detail, which will list at about $125; although there are, undoubtedly, going to be a great many cheap and medium priced machines put upon the market, and good machines at that. On the whole, we think the outlook for the coming year is extremely favorable.

The bicycle has established itself as a vehicle of practical utility and as such, has come to stay, and while there will be any a great m new makers entering the field, they will not cut much of a figure for 1896 at least; later on it may be different, and the time may come when it will be a case of survival of the fittest; in other words, the bicycle maker who has had the greatest experience, has turned out the best goods and has manufactured those goods at the closest margin to cost, will be the one who will survive.

The Peerless Mfg. Co.

H. Crowther, General Manager.

Cleveland, Ohio, October 5, 1895.

Rouse, Hazard & Co.

Editor Hardware: Replying to your inquiry of September 17th, will say that as near as we can learn from the bicycle material house, of which we buy our material, which house supplies more or less material to every bicycle factory in the United States, material has been purchased to complete 900,000 or perhaps 1,000,000 bicycles for 1896 in America.

From the same source we understand that the number of machines manufactured in America this year was from 500,000 to 550,000.

We can only make a rough guess as to the proportion of these machines that were marketed by the Hardware trade during the past year. We would say, however, that prob-

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ably one-third of the entire quantity was sold in this manner. In this guess we may be very wide of the mark, however, as the proportion may have been nearer one-quarter or one-half than one-third.

Owing to the fact that everything entering into the construction of bicycles has advanced very materially we think there is no probability of prices being lower in '96, unless the business is largely overdone, and of this we are very fearful. While there will be a much larger demand for bicycles next year than this, we are afraid that there will not be a sufficient demand to absorb one million bicycles. While it may be true that it will be impossible to get material with which to complete one million bicycles in time for the best selling season, we think it probable that every maker will get so much material of various kinds that he will be compelled, in order to save himself, to take the remaining material when he can get it, even though it be very late, when it is possible that a large number of machines will be thrown upon the market at a time when the trade is practically over, in which case a very great demoralization, similar to that experienced in '93, when large quantities of bicycles were auctioned off, will inevitably result.

Over-production means a demoralization of the trade and loss to makers and dealers alike. If you can do anything to make makers realize the danger which over-production means for 1896, we will be very glad. A large proportion of the makers now in the business are planning to double their output for next year, while many new concerns, who are going into the business, who have never sold a wheel, are buying material and planning to build quantities of bicycles, which it has taken the old concerns years to develop a market for. As for ourselves we have bought material such as to increase our quantity 50 per cent. only although our agents all seem to think that their trade will be double that of 1895.

Very truly,

ROUSE, HAZARD & CO.

Peoria, Ill., September 20, 1895. H. G. ROUSE.

BIDDLE HARDWARE CO.

EDITOR HARDWARE: In answer to your esteemed letter asking for information on bicycles, we fear that you have made a mistake in taking us for prophets, and we hasten to assure you that we are far from claiming that the prophet's mantle has fallen on our shoulders, and our modesty in this respect prevents us from expressing an opinion as to the number of bicycles which may be manufactured next year.

As to the number produced in 1895, we can only say that like the heathen Chinee, the bicycle business is "peculiar' as we do not know of any business in which so many misstatements and exaggerations are rife. We have heard well informed bicycle manufacturers estimate the number made in 1895 as 250,000, and we have heard other estimates from men who are more or less informed, who place the number at 450,000, and when such a wide diversion of views exists, we would not care to express an opinion. We think, however, that there is a popular exaggeration as to the size of the bicycle business. The air is full of talk of orders for 100, 250, 500, 1000 and even 5000 wheels, and people seem to forget that bicycles are not sold by the gross or even by the dozen, and the average dealer purchases one, two or three at a time, and in this way it takes a great many to make a hundred; and because a retailer places an order for 100 early in the season, it is no guarantee that he will sell that quantity or even expects to do so.

The bicycle business is a big business, beyond doubt, and our own sales in this line have been most gratifying, but we cannot help applying a Hardware discount to nine-tenths of the stories that are floating around, and it would be better for the bicycle business if a more conservative view was taken.

Next as to prices. From all we can learn there is no prospect of prices being lower next year. Material has advanced, labor is demanding higher wages, and when a first-class bicycle can be retailed as low as $75 or $80, we do not see how any further reduction is possible with the market in this present advancing state. We are strongly of the opinion, however, that the day for $100 bicycles has gone by. Of course, there are people who will not be satisfied unless they pay a fancy price, but we are firmly of the opinion that a thoroughly good and serviceable bicycle which will give equal satisfaction to any made, can be purchased for considerably less than $100.

Now as to your question as to whether the bicycle business can be overdone. We can only say that in these days of machinery, there is nothing to prevent any business from being overdone. A hundred years ago shortage in any line was always possible, as labor was entirely performed by hand, and the output could not be increased beyond a certain level. To-day the possibilities of machinery are endless. Machinery can be built in a month which will do the work of a hundred men for a year, and it is no longer a question of permanent shortage in anything that is manufactured. Of course, there may be a temporary shortage, as in this year; we may have a somewhat similar shortage next year, as bicycle machinery cannot be built nor material obtained in a day or even in a month, but in the long run the possibilities of machinery will effectually prevent shortage in bicycles or in any other manufactured goods.

Manufacturers who attempt to put new machines on the market next year will probably be forced to use inferior material, and we think it will be a risky thing to buy machines for 1896 which are not made by recognized manufacturers, who have been in the market for some years. We think, however, that those who are handling standard make, may expect a good trade next year. It must be remembered that we have been fifteen years or more supplying the men of the country with bicycles, and there are still a large amount of them not supplied. We have only been about two years supplying women with bicycles, and the demand for ladies' machines will apparently be very heavy.

Respectfully yours,

Philadelphia, October, 1895. BIDDLE HARDWARE CO.

ROYAL CYCLE WORKS.

EDITOR HARDWARE: We have your letter of October 3d and have carefully read the contents. We have noticed for some considerable time that your journal was paying considerable attention to the bicycle business. We, ourselves, favor very much the Hardware people taking up the sale of bicycles. In fact, we are devoting our attention chiefly to this idea. Replying to your questions, we would that it is a matter of doubt as to the number of bicycles that will be made in 1896. From all appearances we would say that there will be at least half a million bicycles made. We certainly do not think that there can be many more than that number, owing to the fact that material for bicycle manufacture is scarce and very hard at times to obtain. We should say that there must have been 350,000 bicycles made in 1895, although it is a very difficult matter for any one to get exact estimates owing to the fact that manufacturers of bicycles like to give the impression that they are making more than they really are. We, ourselves, made 2500 wheels. The prices for high grade wheels are very firm, the $100 limit will be upheld by every maker of high grade wheels. In fact we, ourselves, have decided that that will be our price.

We do not think there is any possibility of trade being overdone for some considerable time. The demand for wheels is very great, and had we been in a position to make 20,000 bicycles during the past season, we could have sold every one of them.

We have done but little missionary work in the way of marketing our product for 1896, but for your especial notice would say that we have very few more to sell, and we are fixed so that if we are kept regularly supplied with material

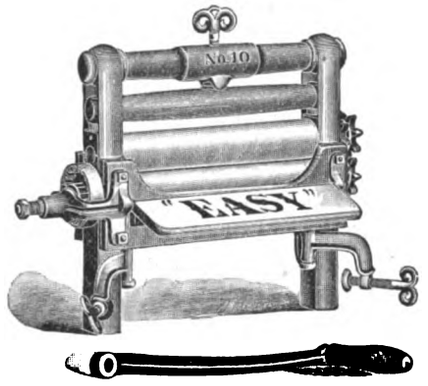
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we can manufacture from 6000 to 7000 bicycles. We have arranged agencies with J. M. Warren & Co., Troy, N. Y., who are Hardware dealers; Hamilton & Matthews, Rochester, N. Y.; the Hobbs Hardware Co., of London, Ontario; the Lockwood-Taylor Hardware Co., Cleveland, Ohio, and a host of other Hardware dealers smaller than the people we name. We think that if the bicycle business in the future is handled more extensively by the Hardware trade, it will be better for them and better for bicycle manufacturers.

Marshall, Mich., October 16, 1895. Royal Cycle Works.
H. Chapman.

Easy Clothes Wringer.

The Blair Mfg. Co., Springfield, Mass., are placing upon the market the attractive new Easy Clothes Wringer shown in this connection. It will be seen to have crescent-shaped steel uprights, U shaped at the top, which enables it to "sustain all the pressure strain of the Wringer when in use, while the concave shape of the uprights in section serve as bearings in which the rubber roll journals run. The internal purchase gear keyed to the lower roll imparts more than



double power to the crank, and the crank bracket is made of cast steel and bolted to the frame from two sides, making an exceedingly strong and rigid construction. The frame is a combination of wood and metal, giving the advantages of both, the wood for contact with the clothes and the metal for strength; all metal parts are heavily galvanized, including the bolts, and the rolls are made of best white rubber, vulcanized to the shafts." The manufacturers add that the Wringer possesses unique design, ease of operation, simplicity and durability.

The Gardner Sash Lock.

The Gardner Sash Balance Co., Chicago, Ill., have recently placed upon the market the Gardner Sash Lock herewith illustrated. The latch and keeper are made of cold rolled steel, by which process a greater strength and finer finish are obtained than can be secured by the use of cast iron. The manufacturers contend that the new device is burglar-



proof, and they further assert that it cannot be opened from the outside. It draws both sashes together evenly and securely. Being made of cold rolled steel, it is of handsome finish and practically indestructible. These locks are neatly packed in a box with screws to match, and are furnished in all the popular finishes.

Latest Trade Publications.

We have recently received the new catalogue and price list issued by the Prentiss Vise Co., No. 44 Barclay Street, New York. The company say: "In presenting this catalogue, we desire to invite special attention to the several new sizes and styles of vises shown, all of which are fully equal to the high standard of excellence we have maintained for our goods for twenty years." The new goods referred to above are found on pages 14, 22, 23, 26, 27, 30 and 31 of the catalogue. The Prentiss solid jaw jewellers' vises, described on page 14, are provided with a new solid jaw, and have a stationary bottom, or patent swivel bottom, with anvil. The manufacturers say: "In addition to our regular lines of long and favorably known Prentiss' patent jewellers' and watchmakers' vises, we now offer these new implements in which the special features are solid back (instead of 'self-adjusting jaw'), and the lowest price consistent with our high standard of excellence, which is fully maintained." On pages 22 and 23 are the machinists' "Bull Dog" vises. These are parallel vises, with solid jaws and either stationary or swivel bottoms. The Prentiss' new steel (channel) bar filers' vises are illustrated on pages 26 and 27. These vises have stationary or swivel bottoms. In referring to them, the makers say: "Unlike all other so-called 'steel arm vises,' the Prentiss is absolutely as inflexible and rigid as though made with cast iron slide, thus insuring the user a parallel vise that will not spring nor break. The nut is fastened in the centre of vise body, giving a maximum grip with minimum friction and strain. Our wrought steel (channel) gliding bar renders it possible to construct this vise with the highest jaws and largest throat opening of any vise ever before offered, thus holding the largest and most complicated work, being particularly adapted to bicycle manufacturing and repair shops. Rough-cut or smooth jaws, as ordered." On pages 30 and 31 are found the Prentiss improved combination pipe vise and the Prentiss new open side pipe vise. Speaking of these vises the company say: "Our pipe vise, as first constructed, has been in constant use during the last five years in the largest pipe establishments requiring such tools, and has given unqualified satisfaction. We now offer it with our latest improvement, 'the wrought steel (channel) sliding bar,' which makes it unbreakable and superior to all others. The 'grip plates' are made of best steel, carefully tempered, and are deeply serrated at right angles, forming innumerable points. These heavy steel plate pipe jaws are reversible and interchangeable, and are full width of vise, thereby giving greater holding contact, with much less pressure on the pipe than with old style concave jaws. Pipe may be held at various angles and a slight turn of lever release it. Capacity greater than other vises. In presenting our new open slide pipe vise, which is constructed on an entirely new plan, we claim it to be the most complete, simple and strongest pipe vise in use, and also that it will hold pipe firmly with much less pressure than any other vise, thereby overcoming danger of crushing the pipe. It can be used on bench or post, and will hold pipe in any position, requiring but half the space necessary for other vises."

"We Pay the Freight on What You Want" is the greeting given by the Standard Fiber-Ware Co., Mankato, Mi n., in their '95 catalogue. The company say: "Nearly ten years ago we began to manufacture fiber-ware with a quite large plant, but with small knowledge. Since then we have added much to the former, and greatly multiplied the latter. Our present combined plant, with the exception of a large warehouse, is fairly well shown on the back page of cover. A very short time sufficed to prove that 'a little knowledge is a dangerous thing.' A very long time was needed to acquire the knowledge and skill we should have started with. 'Experience is a dear school;' but we took

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a full course, and have not fooled away our time playing marbles. We have learned that long tough fiber, like flax, is desirable; that wound and dressed fiber goods are stronger and more elastic than moulded; that, when the shapes of fiber vessels are such that they cannot be drawn or pressed into form like sheet metal, the bottom should be immovably fastened to the vessel so it cannot warp out or loosen; that pails for common use should have all edges protected by metal; that just the right materials in just the right proportions must be united under proper conditions in the water-proofing process, so as to combine chemically with the fiber, with such subsequent treatment as to indurate the ware by oxidation throughout, so that it shall be practically equal to vitrified ware without its fragility. Standard Fiber-Ware, made as we have just described, we now offer to the trade in our ebony enameled ware, and, to better suit all tastes, other colors are laid upon the same finish. Not only do we offer ware 100 per cent. better than formerly, but we have reduced prices 25 to 50 per cent., and we pay the freight on lots of a hundred pounds or more, the rates not exceeding $1.30 per 100 pounds." The catalogue fully illustrates all the goods, for which the company is so justly famous.

The Smith & Egge Mfg. Co., Bridgeport, Conn., in their 1895 catalogue, say: "We take pleasure in presenting you with our 1895 catalogue, illustrating our sash chains, cable chains, padlocks, etc., etc. Being the pioneers in the manufacture of sash chains by automatic machinery, we claim to be able to serve our customers with the finest chains of all grades that are offered in the market. The use of automatic machinery precludes the use of inferior metal, and nearly twenty years successful use of our chains in the most prominent public buildings throughout the country, attest to their good and uniform quality. Our line of padlocks is varied and adapted to all uses where strength and security are desirable. We have a large and well equipped factory, with especial facilities for the manufacture of sheet metal novelties, models, experimental work and automatic machinery of all kinds. We also make a full line of plumbers' chains, pipe straps and other specialties. All orders and inquiries will receive prompt and careful attention." In the back of the catalogue is a list of prominent buildings in which the goods manufactured by the Smith & Egge Mfg. Co. are used with successful and satisfactory results. It is as follows: Metropolitan Opera House, Produce Exchange, Murray Hill Hotel, Methodist Book Concern, Stewart Building, Waldorf Hotel, Holland House, the World, Boreel, Potter, Times, Equitable Buildings, New York; Connecticut National Bank, Bridgeport; U. S. Court House and P. O., Harrisburg; U. S. Court House and P. O., Philadelphia; U. S. Court House and P. O., Grand Rapids; Post Office, Bridgeport; Post Office, Philadelphia; Post Office, Little Rock; Post Office, Louisville; Post Office, Washington; Post Office, Nashville; Post Office, St. Louis; Post Office, Atlanta, and others. The catalogue is full of valuable information concerning a first-class house, and will be useful in the hands of every dealer. It will be sent upon application.

"We Make Cutters" is the title of a fancy little leaflet just issued by the L. S. Starrett Co., Athol, Mass. A note inside says: "Our Cutter Department is under the personal supervision of Mr. F. J. Gay, a member of our firm, who, through his former business experience in Providence, R. I., is well and favorably known to a large proportion of the consumers of cutters. His twelve years of cutter making in all its branches and details, combined with the facilities now at his disposal—experienced assistants, and a large and well lighted factory, equipped with the highest class of standard and special machinery and tools—guarantee to our customers first-class cutters."

Review of the Markets.

Hardware: The market is in a normal condition, the only matter for complaint being the tendency of the jobbers to cut manufacturers' prices and sell at unnecessarily low figures. The tendency to speculate in goods, anticipating advances, has ceased to a large extent, and business is on more legitimate lines. New discount sheets are still appearing, but not so frequently, one on Wire Goods being about the latest. Collections are somewhat hard, but the general condition of affairs is satisfactory.

Cutlery: The Cutlery market is in a satisfactory condition, being much better east of Ohio than further west.

Wire Goods: The Wire Goods Co., Worcester, Mass., under date of October, 1895, issue a new discount sheet.

Nails: The Canadian manufacturers of Wire Nails have formed a combine which regulates the output of the factories and imposes conditions more exacting than our own combine. It is understood that the Canadian association is in sympathy with the American combine, and that they thoroughly understand each other.

Wire Nails: A better movement in Wire Nails is reported than for some time past. Prices are the same and change seems unlikely. We quote as follows: Carload lots or mixed cars, $2.25 per keg, base, f.o.b., Pittsburg; less than carload lots, $2.35 per keg, base, f.o.b., Pittsburg. To jobbers taking from one mill within one calendar month 1000 kegs and over, 5 cents per keg rebate will be made. On contracts direct shipments of less than carlots of 24,000 pounds of Nails an extra 5 cents per 100 pounds will be charged. Wire Nails in carload lots on dock in New York are quoted at $2.40, and small lots from store are held at $2.50.

Cut Nails: There is nothing new to report in reference to Cut Nails. Prices are as follows: Carload lots or over, $2, base, Pittsburg delivery; less than carload lots, $2.05, base, Pittsburg delivery. To jobbers taking from one mill within one calendar month 500 kegs or over, 2½ cents rebate per keg is allowed, and on 1000 kegs 5 cents rebate per keg is made. For half kegs 10 cents extra will be charged. New York quotations are as follows: Carload lots on dock. $2.15; small lots on dock, $2.26, and small lots out of store, $2.30.

Tacks: There is a fair trade in Tacks. The rumored change in the list has not taken place.

Nuts and Bolts: The principal topic of discussion among Nut and Bolt manufacturers seems to be the competition of convict labor. When the business depression came on the wages of the Nut and Bolt workers were reduced. The contractors who employed convict labor likewise lowered wages. Since the revival of business the Nut and Bolt manufacturers have raised wages to the old standard, while the wages of convict labor remain the same. This, of course, enables the contractor of convict labor to undersell the manufacturers, and if something is not done shortly to remedy the evil, must result in a reduction of wages all around.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake, ℔ ℔	12½
Ansonia grade Arizona	12
" " Casting	11¼@11⅞
G. M. B	11¼@11½

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl.	17c. ℔ ℔
Over 3½ to 5 " "	18c. ℔ ℔
Square and Hexagon Rods, extra.	1c. ℔ ℔

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive	18c. ℔ ℔
Over 3½ to 5 " "	19c. ℔ ℔

Antimony.

Hallett's ℔ ℔	8
Cookson's	9

Lead.

Foreign ℔ ℔	nominal.
Domestic, Pig	3¼@3⅞

Spelter.

Western Spelter	4⅝@4¾
Bertha (pure)	7@7½

Zinc.

600 ℔ casks	6
Per ℔	6½

Tin.

Straits, Pigs	15¼@15½
Straits in Bars	16½

Tin-Plate.

Coke Tins:	
I B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.25
Do. 20x28	8.50
D. R. D. grade, 14x20	4¼
Do. 20x28	8¼

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Screws: The price of Screws has been advanced by the manufacturers. The discounts announced are as follows:

Flat Head Iron	82½%
Round Head Iron	75%
Flat Head Brass	82½%
Round Head Brass	75%
Flat Head Bronze Metal	80%
Round Head Bronze Metal	75%

For Flat Head Iron Screws, Blued, 5% will be added to net amount of invoice.

Putty: Prices remain unchanged and are as follows: $1.40@$2.25 as to style of packing and quality.

Glass: Prices of both American and French window have been advanced.

Linseed Oil: The following quotations govern the New York market: Raw, 44 cents per gallon; boiled, 47 cents per gallon; Calcutta raw, 48 cents per gallon.

The following quotations are made by the National Lead Co.: White Lead, dry or in oil, and Red Lead and Litharge in kegs. In lots of less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents; Red Lead and Litharge in barrels and half barrels, ¼ cent per pound less than price in kegs.

The Russell & Erwin Mfg. Co., New Britain, Conn., and the Charles Parker Co., Meriden, Conn., under date of October 9th, issue discount sheets giving the advance prices of Screws made by the manufacturers and appearing elsewhere in this issue, and also discounts and list prices on stove bolts, tire bolts, wire nails and screws which they produce.

The Withington & Cooley Mfg. Co., Jackson, Mich., manufacturers of Farm and Garden Tools, under date of October 10th, make a withdrawal of quotations, as follows: "Our quotations on Steel goods have been made good only for a limited period. To avoid any misunderstanding, however, we hereby distinctly withdraw all quotations on Steel and Malleable goods and announce that our product for 1895-'96 is so nearly sold we cannot enter any more large general orders for steel goods at any price. For such kinds as we can still undertake to furnish we will name prices as occasion comes."

Landers, Frary & Clark, New Britain, Conn., publish the following discounts in connection with their catalogue. The terms are 60 days, with 2 per cent. discount for cash in 10 days:

Brass Racking Cocks	60 & 10%
" Globe Cocks	60 & 10%
" Kerosene Oil Cocks	60 & 10%
" Liquor Cocks	60 & 10%
Compression Lock Cocks	60 & 10%
Andrews' Faucets	60 & 10%
Whiskey "	60 & 10%
Safety "	60 & 10%
Bottling Cocks	60 & 10%
Boiler "	60 & 10%
Plain Bibbs Standard	60 & 10%
" " No. 2	60 & 10%
Brass Ale Cocks	60 & 10%
Beer Vents	40%
Refrigerator Cocks	60%
Water Cooler "	60%
Telegraph Faucets	60%
Compression Oil Can Cocks	60 & 10%
" Bibbs	60%
Champagne Taps	50 & 10%
" Openers	50 & 10%
Frary's Patent Petroleum Cocks	60 & 10%
Oil Faucets with Thimble	50%
Stebbins' Gates	80 & 10%
Self-Boring Stebbins' Gates	60%
Gates Nos. 61 to 66 and 1FR-1FL	25 & 10%
" " 6 to 36	40 & 10%
" " 212M—2120M	40 & 10%
" " 417 and 051M	50 & 10%
Lincoln's Gates	70%
Oil Gates with Thimble	40%
Bung Faucets and Spouts	33⅓%
Fenn's Faucets and Stops	60%
Eccleston's Water Gate	50 & 10%
Acme Oil Faucets	50%
Sportsman's Balances	40%

Balances	½ Nos,	3	5	51	Net.
	1	.75	.85	$1.65	

Balances, Series A	50%
" " B	60%
Balance Brackets	20%
Balances, Series C	60%
" " D	35%
Turnbull's Market Scale	40%
" Counter Scale	40%
Standard Family Scales	50%
" Package Scale	50%
Candy Scales	50%
Family "	50%
L. F. & C. Standard Tea Scales	60%
L. F. & C. " Counter Scales	60%
L. F. & C. " Hatch Trip and L. D. Scales	60%
L. F. & C Union Scale	40%
Excelsior Steelyards	40 & 10%
Columbia "	40 & 10%
Flower Pot Brackets	40 & 10%
Lamp Brackets	50 & 10%
Ice Chisels	50%
" and Ice Picks	50%
Ice Picks	50%
Lemon Squeezers	50%
Mincing Knives	50%
Cake Turners	50%
S ewers	50%
Steak Hammers	50%
Cleavers	50%
Can Openers	50 & 10%
Tack Hammers	33⅓%
" Claws	25%
Weeding Forks	66⅔ & 10%
Garden Trowel	50 & 10%
Hat and Coat Rack	50%
Fish Scalers	50%
Potato Slicer	25%
Towel Racks	40%
Coffee Mills, No. 3102	60 & 10 & 10%
" "	60 & 10%
Clothes Line Hooks	50%
1771 and 1076 Hooks	85%
Telegraph and Desk Hooks	80 & 10 & 10%
Coppered Screw Hooks	70 & 10%
Hammock Hooks	75%
Braced Screw Hooks	50 & 10%
Chandelier Hooks	50%
Bird Cage Hook	60 & 10 & 10%
Match Safes	40 & 10%
Sad Iron and Coffee Pot Stands	50%
Mane Combs	40%
Candlesticks	50%
Schley's Weaners	25%
Bench Hooks	33⅓%
Magic Bread and Cake Slicer	15%
Glue Pot	60%
Blake's Nut Crack	66⅔%
Scissors and Shears	75 & 10%
Lee's Tobacco Cutter	15%
Cork Pressers	45%
Crown Tobacco Shaves	33⅓%
Flush Drawer Pulls	40 & 10%
Welcome Door Bells	60%
Call Bells	50 & 10%
Twine Boxes, all Numbers	45%
Letter Balances	40%
Inkstands	50%
Paper Files	60%
Bright Wire Goods	87½%
Factory Bright Wire Goods	50%
Wire S Hooks	70%
Wire Drive Hooks	60%
Brass Hooks and Eyes, Etc	70 & 10%
Malleable Hooks and Eyes	75%
Meat Hooks	85%
Shutter Rings	66⅔%
Hammock Eyes	66⅔%
Wire Hitching Rings	80%

Clapp & Co., bankers and brokers, New York, in their letter, say: "The dear old unequal, inconsequent, patriotic, public is again asserting its clear vision of American destiny. In municipal and State conventions the men who convert conviction into action are shaping the machinery of government to fit the hour's need. A tidal wave of snowy ballots may confirm the sound financial policies so long hidden by unfortunate administration. The President of Argentine Republic is urging the funding of the public debt into 4 per cent. gold bonds. United Kingdom revenue returns show gain of about $18,295,000 in last three months, indicating business improvement. The custom receipts of the port of New York in last three months, ending October 1st, were $30,896,817 against $24,736,266 year ago same time. There is outstanding $1,092,962,663 paper money, $44,466,000 is in $1 bills, $25,500,000 in $2 bills, $251,662,000 in $5 bills, $287,598,000 in $10 bills, $223,697,000 in $20 bills, $37,005,000 in $50 bills, $76,882,000 in $100 bills, $13,265,000 in $500 bills, $104,125,500 in $1000 bills, $7,070,000 in $5000 bills, and $17,666,000 in $10,000 bills. The total of all our money in circulation is $1,585,593,509."

THE ROCHESTER TRADE.

We can report quite an improved condition of trade in this locality since our last, it being an agricultural country tributary to our market, and farmers being busy harvesting their crops. Local merchants report quite an unsatisfactory condition of trade, as farmers are too busy to think of buying Hardware. Collections are unsatisfactory, but prices are being well maintained, and we are looking forward, hoping to see brighter times.

WEAVER, PALMER & RICHMOND.

THE OMAHA TRADE.

The volume of business in this section, while hardly up to the expectations we had formed several months ago, is nevertheless a fair average, and considerably in excess of the corresponding period of a year ago. The seasonable weather of the past four weeks has made a large demand

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for fall goods, notably in the line of Coal Hods, Elbows, Stove Pipe, Huskers, Baling Wire, etc., but business is necessarily retarded by the exceptionally low prices ruling on grain, which refuses to leave the farmers' hands at the present values, and makes the movement of merchandise slower than it would be under more favorable circumstances, and collections somewhat below the average.

Rector & Wilhelmy Co.

THE PITTSBURG TRADE.

The Hardware jobbing trade is not so active as was anticipated earlier in the season. The rapid recovery from the depression of 1894 struck too rapid a pace last spring, and has had to slacken up a little. There are still good orders in the hands of our mills to keep them busy for some time, and the distribution of money for labor employed throughout this section will eventually find its way into the hands of the tillers of the soil and the retailer. The process is slower than we could wish, but will be completed in time and then the retail merchant will be in better condition, both for buying and paying.

We believe the present reaction is temporary, and that early in 1896 a good steady business will be done.

The extreme dry weather for months past has dried up the smaller streams of this locality, and while it is a great inconvenience to farmers, it gives the engineers of our proposed canal to Lake Erie a good opportunity to show what effect such a season will have upon this enterprise. They report that under their plans there will be abundance of water to supply the canal.

We are looking forward with pleasure to the annual meeting of the National Hardware Jobbers Association to take place in our city next month. This Association has in its one year of existence done a great deal to improve matters, and we expect a great interest will be taken in this meeting, and that it will be largely attended.

Logan, Gregg & Co.

THE MINNEAPOLIS TRADE.

A little improvement in general business; jobbing houses all very busy. We will all feel the effect here later on. The farmers complain about prices on their products, wheat, grain, oats and all kinds of vegetables being exceedingly low, while they are probably getting more net per acre than they have for the past five years at least. Railroads are having all they can possibly do to move the crop; considerable complaint about the scarcity of cars. There are a very large number of country elevators being built all through the Northwest, which means that a large quantity of grain will be stored and held back for higher prices. The advances on goods in the Hardware line are fairly well maintained.

W. K. Morison & Co.

THE CHARLESTON TRADE.

Hardware is still in demand, and daily orders are conclusive evidence that consumers are not yet supplied. Early shipments were composed almost entirely of goods then or soon to be actually needed, and merchants were not only extremely cautious, but many absolutely refused to purchase goods that were not necessary for their customers to harvest their crops and prepare them for market. Few were exempt from large ledger balances and none felt that, until these were reduced, any temptation to increase should be offered to customers who already owed larger sums than were either safe or desirable. As the crop was harvested and the money producing cotton was turned into cash, these balances were perceptibly reduced and interior merchants decided that other than mere necessaries could be safely added to their stocks.

We now have an unusually fine trade in guns, ammunition and sporting implements, while the demand for cutlery, both pocket and table, is for the finer rather than the medium grades that were selected in the beginning of the season.

There has been a very general planting of small patches of sugar cane, and this has created a demand for mills, boilers and evaporators. We have repeated enquiry for all the most improved machinery, and any really meritorious agricultural implements will be early sought by intelligent and progressive farmers.

The holiday season is now near and advance purchases to meet the demand are already made. As strange as it may seem, we are already beginning our spring business, and have large orders booked for early shipment. Judging from the style of orders and quantities, interior merchants are aware of the total annihilation of farming implements resulting from the forced economy of the two past years, and are preparing to refurnish all the farms dependent upon them for supplies, with entirely new outfits. We are perfectly satisfied with trade up to present writing, and see no reason why we should not have all of our hopes realized as the year advances and even to its close.

It is very gratifying to note how careful and thoughtful manufacturers have been and still are in making advances. We have assurance from several that orders now being filled, being taken of course some time since, are entirely devoid of profit, if not entailing an actual loss. This of course will not and cannot continue, and the announcements of advances are already received, but the percentage is moderate and entirely acceptable.

The especially mild and long-continued fall has enabled all classes to continue work without interruption, and the unusually large demand for goods of all kinds has been met without serious inconvenience or delay. We hope, but cannot depend upon this condition so pleasant now to continue, for our experience in the past has been that the sudden climatic changes, now an expectant and always occurring incident of our winters, will block navigation and seriously interfere with land transportation, and vexatious but unavoidable delays in delivery of goods occur. For this reason we solicit spring orders and early shipment many months in advance of the actual needs of consumers.

Collections are considerably above the average, and merchants are meeting their fall notes more promptly, so while we reap considerably of the past we are enjoying the prosperous present, and are thankful the commercial horizon is clear and no threatened storm either predicted or expected.

Marshall, Wescoat & Co.

THE DAVENPORT TRADE.

Wooden Ware has just advanced another ten per cent. Wood Screws have taken twice that jump and still are not content. Potatoes, oats and all the grain our farmers have to sell, are falling still like summer rain to where we cannot tell. Our trade continues dull and slow. Corn harvest has begun, Nails are so high they will not go, no building being done. The weather is perfect, crisp and fair; collections hard to make; the prices that went high in air are ready now to break. The oldest Hardware firms in trade, with knowledge they possess, can't understand past changes made or as futures give a guess; for schemes that have worked well for years, old methods always good, are out of date it now appears, don't pan out as they should. The margins still continue small, expense accounts are high, there'll be no profit by and by, then you'll hear something—drop.

Sickels, Preston & Nutting Co.

THE ST. PAUL TRADE.

The fall business in the Northwest so far has been somewhat disappointing, although within the last few days a change for the better has taken place. The crops of wheat, oats, barley, corn, potatoes and in fact of everything raised in this part of the country were never larger than this year.

The stock of merchandise in the hands of retailers on the first of August was generally small. During the month

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of August they began to prepare for the business they hoped to get, basing their hopes upon the large crops already in sight, and although not extravagant in giving their orders the business made a very handsome aggregate. Before they had time to dispose of these goods, prices of most farm products had materially declined. The farmer since then has had favorable weather for doing his fall work. He has no incentive to market his crops, and consequently he stays at home attending to his plowing and other work instead of hauling and selling his crop, paying his old bills and making fresh purchases. Of course, some selling took place; in fact, enough to give the railroads a good business, and perhaps, all things considered, it was better this way than any other, as with the immense crop if there had been the usual desire to turn it, elevators and railroads would have fallen far short in their capacity to accommodate the demand. The promise now is that November and December will be very active months with a satisfying business. Collections are good, all things considered.

C. W. HACKETT HARDWARE CO.

THE COLUMBUS TRADE.

We are glad to report that trade is active; in fact, it has been so through the year, with the exception of the last two weeks in July. Seasonable goods are in good demand and prices fairly well maintained.

We regret to see the disposition on the part of some jobbers to begin booking orders for screen goods for 1896 at the same old ruinous prices. Why jobbers are so anxious to secure orders at the prices we find some are quoting is a mystery to us. In a conversation with our salesmen on the subject, the writer expressed the wish that all the Wire Cloth would be sold before January 1st, '96, for in that event we would not have to sell any. This may sound unbusinesslike; if any jobber can show that he is any better off by selling the goods at such prices, unless there is an order for other goods in sight, we will open a keg of nails or something else for him the first opportunity we have.

The worst feature in business at present is poor collections. Farmers in this section had but little hay or wheat; consequently, they are hard up, and as pay day with them only comes when they sell grain or stock, the merchants must now wait for corn and hogs, and with corn at only 23 cents per bushel, even with the big crop, the question is, Will it go around? We fear it will not.

We have noticed during the rapid advances in goods that our customers seem to have better memories. While goods were declining they oftentimes forgot about placing orders; and when you called their attention to a contract, would say they forgot all about it and bought some from some one else, of course, at the lower prices, but now with the shoe on the other foot, it is very different. If you happen to be short anything on an order and it advances, they will think of it a month later and say they are in urgent need of it. May be they will return the favor later on.

SMITH BROS. HARDWARE CO.

THE BALTIMORE TRADE.

Business continues along the same line of improvement as noted in our last letter. Orders are numerous, fair in quantities and assortment and at higher figures. A general feeling of confidence has buoyed up the merchant class, advances acting as a stimulant. Orders placed early in the season are being duplicated at new prices, and, while it is doubtful if the demand has kept pace with the supply, there is sufficient evidence to prove that seasonable goods are being freely distributed.

The disturbing element that characterized the first stage of rising prices was the anxiety on the part of some jobbers to realize on their first cost regardless of market values. What was the result? In many cases goods were being sold by the jobber below the manufacturer's prices, and every bill so sold was an obstacle in the road to improvement. There is only one standard upon which to base your profit. It matters not so much what an article may cost you, as what you can replace the same article for when sold. With successive advances this price-cutting feature is being eliminated. Few, if any, jobbing houses can boast of a stock of goods bought at old prices—some one or two lines may have invited "plunges"—but taking staple Hardware throughout, all wholesale houses are in much the same position. Working together in a spirit of harmony it is the duty of every jobber, and every retailer as well, to maintain the new prices as long as they remain within the boundary of true values. When the borderland is passed which marks the true from the false—should an era of inflation set in—old remedies will be applied to counteract it.

The recent cold snap has drawn attention to many winter goods somewhat in advance of the regular season. Stove Pipe (a little out of joint) is being put up. A demand for Weather Strip is *felt*, and judging from the inquiries received for Skates, these promise to "move along" fast enough later on.

Collections are fairly satisfactory from nearby territory, and in the far South give promise of early improvement.

TABB & JENKINS HARDWARE CO.

THE BOSTON TRADE.

A slight improvement is noticed over last month, but orders for seasonable goods are being placed in such quantities that it is evident that the retail trade are still on the cautious side and are willing to buy only as their immediate demands require.

Although prices are still very firm, there have not been advances that were predicted a month ago, and about the only changes to be noted are those which are brought about by a combination of manufacturers who have come together and agreed to make certain advances which are thoroughly legitimate owing to the fact that certain goods are being made at a loss. The advent of the winter season, the natural decrease in the demand for general Hardware, the weakness in the Iron market will have its effect upon both trade and prices, and we anticipate but few changes before January 1st.

FRYE, PHIPPS & CO.

THE PHILADELPHIA TRADE.

On the whole business may be said to be about normal with an average trade doing, and holiday goods such as skates, cutlery, etc., in fair demand with the prospects that the demand will be much larger in future as consumption increases.

A recent railroad ride through a part of our State showed the writer that the Iron establishments were in full blast and working night and day to take advantage of the better prices.

It is somewhat encouraging to find that business is normal despite the fact that prices have a tendency to depress trade, and jobbers and retailers alike are now inclined to refrain from buying until they can see whether the manufacturers will have sufficient backbone to maintain the recently advanced prices. In spite of this tendency, however, to curtail trade, it is, as we have said before, about normal, and largely increased weekly wage rolls are bound to have an effect on the purchasing power of the country, and it must inevitably follow that forced economizing for consumption cannot continue and the goods that are used up and worn out must be replaced. All this makes us hopeful for the future and to believe that a fair volume of business may be expected now with a larger volume in the near future. Trade this week shows a greatly increased volume over the week before, while collections are improving and prices are still tending upward.

The Nail men and Barbed Wire manufacturers have called a halt for the present, and it is hard to foretell what the prices will be in the near future. Manufacturers claim

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that present prices do not pay them exorbtant profits, and that with increased raw material and higher wages, all goods must bring more money.

We are still feeling the effects of the drought, and although we have had one or two light rains, a week's steady rain is earnestly desired before the advent of cold weather. While this would be too late to save farming losses, it would put the agricultural community in better shape for the winter. BIDDLE HARDWARE CO.

The New York Bicycle Show.

In the original arrangements the spaces for exhibitors were to be allotted on October 9th, but when that date arrived it was found that there were at least 300 applicants for 210 spaces. The Board of Trade and the management of the Madison Square Garden considered the problem that confronted them, and decided to remove the seats from the arena and the balcony, building platforms on both, thus providing a large increase of space. The new diagram has been drawn and approved by the Board of Trade. It provides for 342 exhibition spaces. The show will continue from January 18th to 26th inclusive.

Mr. George Chatillon of John Chatillon & Sons, Nos. 85 to 93 Cliff Street, New York, has returned from Europe where he has been the greater part of the summer.

Help Wanted.

WANTED—Profitable side line. Salesmen calling on Hardware trade can make big money for next two months. A strictly holiday specialty. Address QUADRUPED NOVELTY CO., Canton, Ohio.

Situation Wanted.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

HARDWARE salesman, sixteen years' experience, wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

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A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

HARDWARE DEALERS

Who handle Bicycles should examine the

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We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

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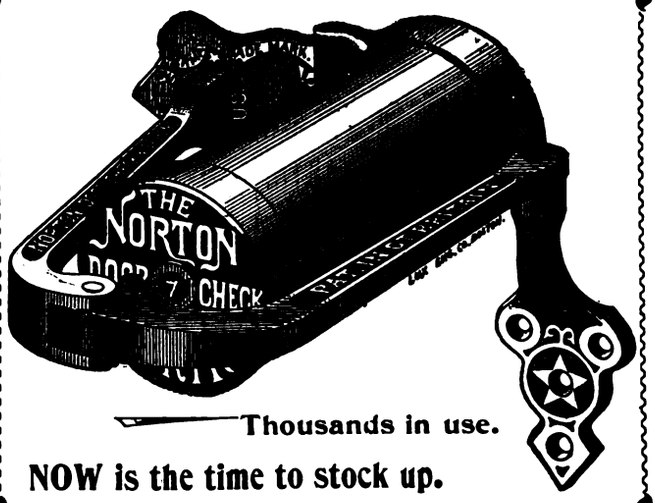
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

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GLASS won't break.

DOORS won't slam.



Thousands in use.

NOW is the time to stock up.

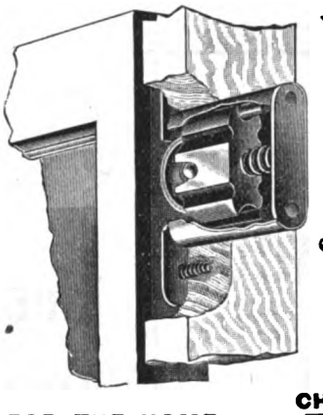
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Window Spring.

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Entirely new, simple, easily adjusted, practical, cannot break, and will last a lifetime. "You push the window, the little wheel and tension spring does the rest."

CHEAP

FOR THE HOME

Have this Spring put in your house. The cost is ½ less than weights and cord. You can easily and quickly adjust it to any window. It don't get out of order.

PERFECT

FOR HOTELS

This creates a revolution in window springs. Hotel windows raised or lowered with perfect ease.

INDISPENSABLE

FOR R. R. CARS

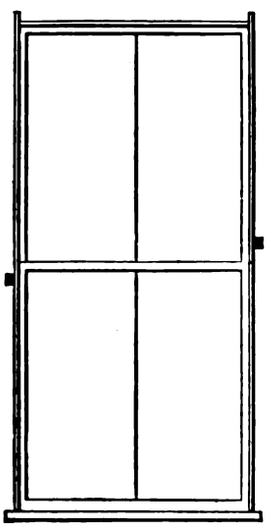
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FOR INSIDE BLINDS

How easily you can manipulate a Venetian Blind when the Colburn Spring holds it.

SATISFACTORY.



Prices, $3.50 and $4.50 per dozen.

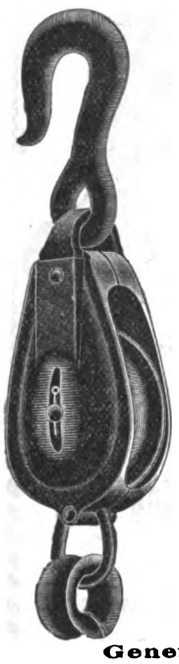
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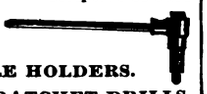
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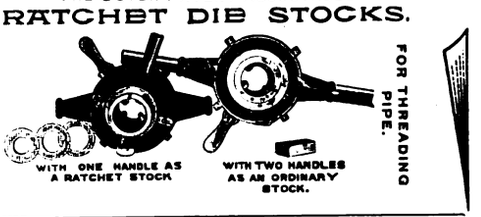
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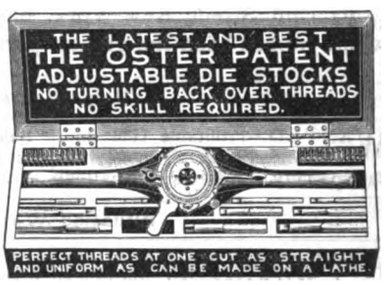
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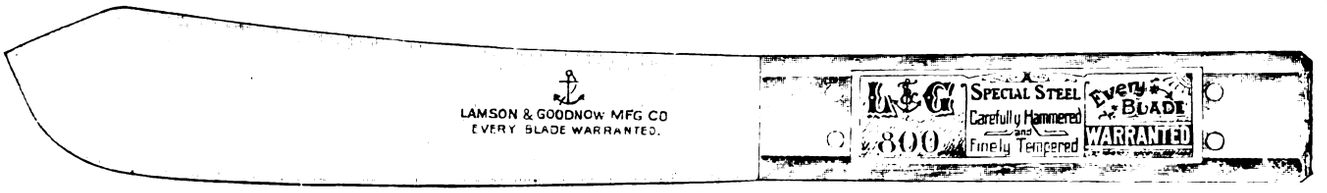
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OUR STAR HACK SAWS

Are used in nearly all of the Iron Working Shops in this country and Europe. Now we wish to introduce them to the Farmers and Householders generally. They will cut Iron, Steel, and Wood equally well. One blade which costs five cents, will cut off an inch-square bar of iron 100 times without filing. They will do most of the work of a file at one-tenth of the cost. All of our best blades are rounded at the ends and stamped with a star.

As a sample, we will send one Steel Frame and Six Blades by mail, prepaid, on receipt of $1.00. Or, they can be had of all the best Hardware Dealers, who usually keep a good line of our high-class tools.

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A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
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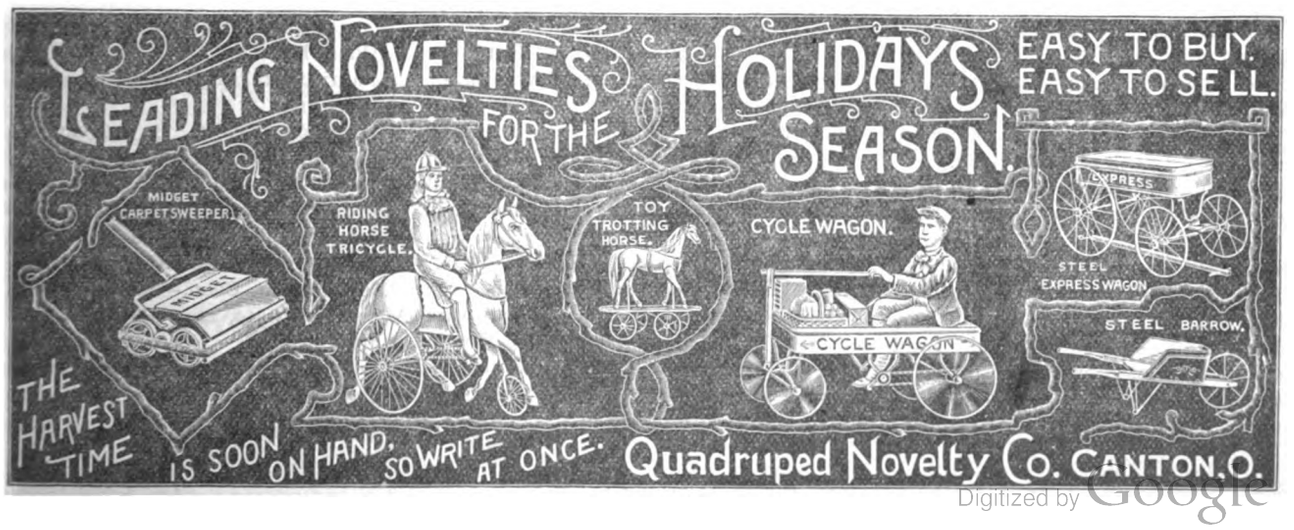
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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Andover, Mass.—John Driscoll.
Appleton, Wis.—Stark & Tesch.
Braidentown, Fla.—W. C. & G. H. Watts.
Corinth, N. Y.—S. & J. Marten.
Elmira, N. Y.—Chapman & Bower.
Harrison, Mich.—H. B. Seagrave.
Savannah, Mo.—Bridges Bros.
Woodstock, N. B.—Burt, Lee & Hale.

Record of Changes.

Auburn, Ind.—Brown, Culbertson & Boland, Hardware and pianos, sold out piano stock to Rodgers & Stafford, and will devote entire attention to Hardware business.

Lafayetteville, N. Y.—The old established firm of Nichols & Austin has dissolved partnership by mutual consent, Wm. Austin retiring from the firm. The business hereafter will be conducted by Volney H. Nichols and son, John D. Nichols.

Lexington, Tex.—J. A. Hitchcock, Hardware, stock purchased by J. C. Hillsman & Sons.

Little Rock, Ark.—The Foster Hardware Co., stock purchased by W. C. Foster, who will continue the business.

Lumberton, N. C.—E. K. Proctor, Sr., has disposed of his stock of goods to E. K. Proctor, Jr., and G. B. McLeod.

Malden, Ill.—Pierson & Sutton, Hardware firm; Louis Sutton has retired and been succeeded by Charles Piper, and the Hardware business will be continued under the name of Pierson & Piper.

Mammoth Springs, Ark.—M. Matthewson, dealer in Hardware, groceries, etc., has admitted J. E. Sharum to the firm.

Marlow, N. H.—Arthur M. Davis has purchased the tin and Hardware business of Clarence E. Morrison.

Montevideo, Minn.—Champlin & Peterson, Hardware, etc., reported to have been succeeded by Peterson & Smith.

Morrowville, Kan. — Victor T. Reeve, Hardware, etc., disposed of stock to E. S. Reeve.

Muncie, Ind.—F. C. Spradling & Co., Hardware and agricultural implements, reported to have been succeeded by W. H. Ballard.

Murray, Iowa. — Charles Kline, Hardware, reported sold out.

Owatonna, Minn.—Parrott & Smith and Crandall & Nelson have purchased the Hardware stock of John T. Clarke, who recently assigned. The price paid was $800.

Nappannee, Ind. — Hoover & Mosiman, Hardware, stock sold to Philip Weiss and Edward Frevert, both of South Bend.

Omro, Wis.—W. W. Race & Son, Hardware, reported to have been succeeded by W. W. Race.

Orange, Tex. — Robinson & Gardner, Hardware, stoves, etc., have dissolved partnership.

Palmer, Kan. — James Creager, Hardware, stock purchased by Henry Dittmer.

Plattsburg, Mo. — Gordon Bros., Hardware firm, J. A. Gordon sold interest to Elmer Martin, and the firm will hereafter be known as Gordon & Martin.

Pontiac, Mich.—H. F. Messinger has sold out his stock of Hardware to E. J. Hallett, who will continue the business.

Port Leyden, N. Y.—Hoyt & Riggs, Hardware, reported to have been succeeded by Farley & Riggs.

Richfield, Neb.—Huntsberger & Clements, Hardware, etc., reported to have been succeeded by A. Becker.

Sandusky, Ohio.—The old Hardware firm of Sanderson & Foster have dissolved partnership, James B. Sanderson retiring. Mr. Sanderson's interest was purchased by Fred Graves, and hereafter the firm will known as Foster & Graves.

San Francisco, Cal.—Wright & Olsen, Hardware and stoves, reported to have dissolved partnership.

Sheffield, Ala.—The Adams Hardware Co. has succeeded to the business of B. H. Adams & Co.

Stockton, Ill.—Frank D. Murphy, Hardware, reported to have been succeeded by Murphy & Goldhagen.

Syracuse, N. Y.—P. J. Mack has sold his Hardware stock to the Burhans & Black Co.

Tacoma, Wash.—Palmer & Belch, Hardware dealers on Tacoma Avenue, partnership dissolved.

Titusville, Fla.—Ray & Day, Hardware, stock purchased by S. H. Happersett.

Tyler, Minn.—W. E. Dean, Hardware, reported to have been succeeded by B. Chester.

Webster, N. Y. — Frank Jones, Hardware, stock purchased by W. A. Smith.

Wellston, Ohio.—The old and established Hardware firm of Lasley McGhee & Co. has dissolved, and P. H. McGhee is now sole owner.

Wellsville, N. Y.—Lewis & Wells, general Hardware dealers, have sold their business and stock of goods in the Tullar Building to W. J. Hoyt and Chas. F. Vincent, and the new proprietors will take possession as soon as the inventory can be completed.

West Indianapolis, Ind. — W. S. Hoss, Hardware, reported to have been succeeded by Hattie B. Hoss.

Improvements and Removals

Longview, Tex.—D. D. Pinkham, Hardware dealer, will remove his business to new quarters, where he can conduct same on an enlarged scale.

Business Embarrassments.

Augusta, Me.—Horace Little, Hardware dealer, has assigned to Orrin Williamson and Thomas Leigh, Jr.

Beatrice, Mo.—The Hardware establishment of Crump & Dix has been closed under a chattel mortgage given to Bryan Bradt and others. The amount of the mortgage is $3841.

Cissna Park, Ill.—Joel Zeller, Hardware, reported to have made an assignment.

Eastland, Tex.—J. B. Sanders, Hardware merchant of this place, has made a general assignment, naming D. K. Scott as assignee. Assets approximated, $4500; liabilities approximated, $4000.

Evanston, Ill.—John Witt, a retail dealer in Hardware in Evanston, has made an assignment in the County Court to William S. Paden. The assets are placed at $11,000 and the liabilities at $7500.

Newport, Ky.—Wendt & Wente, Hardware dealers, have assigned. The liabilities are about $17,000, and the books show the assets to be larger. The principal creditors are as follows: Howell Gano & Co., $4000; Standard Oil Co., $450; German National Bank of Newport, $3000, amply secured; Laflin & Rand Powder Co., $3213.49. L. J. Crawford qualified as assignee.

Port Chester, N. Y.—Edward Kapp, the Hardware dealer, successor to John W. Sickels, has made an assignment for the benefit of his creditors.

Syracuse, N. Y.—The Hardware store of Frank Diel at No. 225 West Fayette Street has been closed by Deputy Sheriff Whittie on several executions issued upon judgments rendered upon compromise. These judgments were in favor of the following persons, and for the following amounts: Sill Stove Works, $1684.85; Theodore H. and Chester F. Wickwire, $2071.75; Gurney Refrigerator Co., $1555.21; Scranton Stove Works, $1199.33; Glazier Stove Co., $407.68; Haberman Mfg. Co., $575.05; Bank of Syracuse, $938.02; Louisa M. Diel, $5390.25.

Wilmington, Ohio.—The Hardware firm of Jeffreys, Hunnicutt & Co., the largest dealers in this city, have filed a deed of assignment in the Probate Court for the benefit of creditors. The assets are about $25,000; liabilities unknown.

Winterset, Iowa.—Payton & Co., Hardware dealers, have assigned, turning their stock over to the First National Bank to secure a claim of $25,000.

Burglaries in Hardware Stores.

Belmond, Iowa.—Peter Stacy, $200.
Brooklyn, N. Y.—Jacob McKeever, $60.
Halifax, N. S.—Melvin, $25.
Lexington, Ky.—Logan & Higgins, $100.
Lexington, Ohio.—Walker & Rell, cutlery and revolvers.
Mt. Jewett, Pa.—Thompson & Co., loss not known.
Seneca Falls, N. Y.—James Dillon, small loss.
Stockton, Ill.—Scheckl & Glanville, $100.
Waseca, Minn.—O. J. Johnson & Co., firearms.

Fires in Hardware Stores.

Alden, Minn.—H. J. Neibuhe, Hardware and agricultural implements, reported damaged by fire.

Carrollton, Ky.—C. B. Salyears, Hardware, stoves, etc., destroyed by fire.

Dodge, Neb.—R. H. Meyer, Hardware, reported to have been damaged by fire.

McLeansboro, Ill.—McConnell & Randall, Hardware, reported damaged by fire.

New Britain, Conn.—A. H. and E. W. Abbe, Hardware, etc., burned out; $6250 insurance.

Oneida, Kan.—D. S. Gilmore, Hardware, destroyed by fire at a loss of $3000; insured for $1500.

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THERE is always a time in the career of every business when Quality and Finish is necessary to build up and maintain your business.



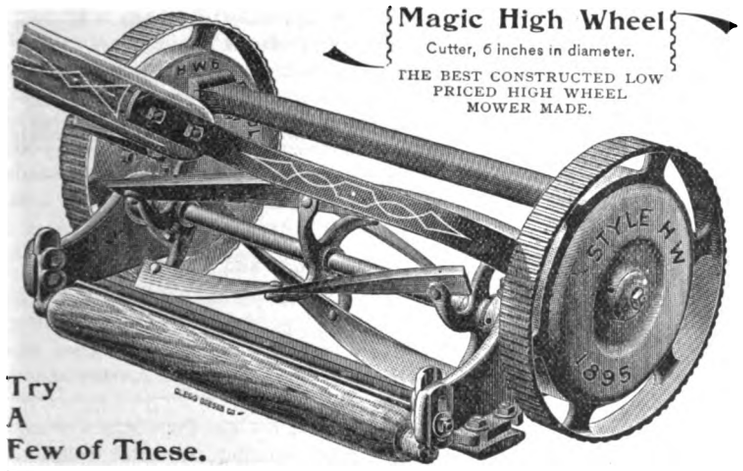
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It has if you wish to continue the confidence your customer has placed in you. The more competition you have the better ought to be your line of Barrows.

Thoughts and Ideas are valuable, but to maintain the intelligent effort, your goods must maintain a high quality and a moderate price. **THE CHAMPION BARROWS** possess all the above. What more can you ask?

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Try A Few of These.

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OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters from D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

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OFFICE, 38 PARK ROW,

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SLATE SLABS OF EVERY DESCRIPTION.

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ASHTABULA, OHIO.

MANUFACTURE THE BEST QUALITY LARGE

FORKS FOR SPECIAL USE.



COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR

DIAMOND BRAND FORKS,

WHICH ARE UNEQUALED.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Akron, Ohio.—John F. Seiberling has organized a company to manufacture bicycle tires, and will equip a factory to turn out 300 pairs daily, giving employment to 300 men.

Anderson, Ind.—A syndicate of capitalists is reported organizing at Cleveland, to erect and operate a $75,000 bicycle plant.

Chicago Ill.—The Continental Cycle Co. has been incorporated by W. Irving Osborn, Albert S. Lauer and A. M. Farnsworth, to manufacture cycles. Capital stock, $50,000.

Chicago, Ill.—The Gladiator Cycle Works have established a bicycle factory at Nos. 109 to 115 West Fourteenth Street. Frank Wenter is president of the company; L. C. Kuhners, vice-president; John C. Catage, treasurer; W. C. Johnson, secretary, and A. B. Ellis, assistant secretary.

Cleveland, Ohio.—The Wheelman's Protective & Repair Co. has been incorporated by J. A. Fogle, George H. Allen, Ewell F. Merrell, John I. Jones and Chas. I. Dailey, of Cleveland, to do a bicycle repairing business. Capital stock, $10,000.

Council Bluffs, Iowa.—The Deere-Wells Co., manufacturers of agricultural implements, are reported to be preparing to take up the manufacture of bicycles.

Defiance, Ohio. — The Defiance Bicycle Co. has been incorporated by Elmer T. Clark, O. D. Loveridge, H. B. Miller and others, with a capital stock of $50,000.

Fredericksburg, Va.—J. E. Stonebraker has commenced the manufacture of bicycles.

Grand Rapids, Mich.—Grand Rapids Bicycle Co. has been incorporated, with a capital stock of $10,000.

Holyoke, Mass.—Fred LaBelle and others are organizing a company to manufacture a bicycle, of which he is the inventor. Those at the head of the enterprise announce that they will have at least 1000 wheels on the market by the middle of April.

Lockport, N. Y.—Charles Whitcomb and others have organized a company to manufacture bicycles.

Madison, Wis.—The D. D. Warner Co., preparing to commence the manufacture of bicycles. A new factory is in process of erection, and is to go into operation immediately.

New York, N. Y.—Charles J. Stebbins, No. 103 Reade Street, has been appointed New York agent for the wheels manufactured by the Syracuse Cycle Co. He is now improving and remodelling his place of business.

Philadelphia, Pa.—The F. H. Dampman Cycle Co. has been incorporated by F. M. Dampman, Joseph and Thomas Holbrook, John H. Draper, T. Buschard and others, with a capital stock of $25,000.

Pottstown, Pa.—A. Metz and Harry Rogers, of Spring City, have formed a partnership for the manufacture and caring of bicycles. The old plant of the American Wood Paper Co. is now being put in condition for their use.

Rochester, N. Y.—The Shone-Hanna Mfg. Co., has been incorporated by James W. Shone, Albert T. Bradley, Roswell J. Hanna and Geo. McTaggert, to manufacture bicycle sundries. Capital stock $5000.

San Francisco, Cal.—Fred. R. Cook, corner Nineteenth and Guerrero Streets, has commenced the manufacture of bicycles, devoting especial attention to low-framed diamond wheels for ladies.

San Francisco, Cal.—William Jennings, bicycles, will open a new store at No. 184 South Park Street, and will handle the Falcon bicycles.

San Jose, Cal.—Rice, Mitchell & Co. bicycles, have opened new store at No. 16 South Second Street, handling the Lovell Diamond, the agency for which has been discontinued by Henry C. Smith.

Sheboygan, Wis. — Jenkins Machine Co. has commenced the manufacture of high grade bicycles, embodying a number of new improvements.

Spokane, Wash. — The Fred. T. Merrill Cycle Co. have leased three story brick building, and will conduct a wholesale and retail bicycle business.

St. Louis, Mo. — Mississippi Valley Cycle Co. has been incorporated by Mark Leavenworth, Frank J. Kaiser and John McGeorge, to manufacture and deal in bicycles. Capital stock $50,000.

Washington, D. C. — Robert Noble has opened a new bicycle store at No. 443 G Street, Northwest.

Changes and Removals.

Geneva, Neb. — James Piefenberg, bicycles, etc., has moved his business to Fremont, Neb.

Indianapolis, Ind.— Oker & Lake, bicycles, partnership reported dissolved.

Middletown, Conn.—The Worcester Cycle Co., of Worcester, Mass., is reported negotiating, with a view of moving its plant to Middletown, the only question being the relief from taxation for a term of years, which condition will probably be met. The company will employ 250 hands, and report orders sufficient to keep them busy for one season. The works of the Schuyler Co. are to be sold at auction October 15th, and the Worcester Co. will probably purchase this plant.

Milwaukee, Wis.—Reitzner & Wicks, bicycles, succeeded by the J. A. Wicks Cycle Co. Mr. Reitzner retires to give his entire attention to the Milwaukee Japan Enameling Co.

Milwaukee, Wis.—The Bolte Cycle Mfg. Co., Frank H. Bolte, reported withdrawn from the active management of the company, retaining, however, his interest. He has been succeeded by J. R. Connell and D. A. Donlevy.

Minneapolis, Minn.—The Adams Mfg. Co. have leased a building at No. 403 Sixth Avenue, and will move from their present quarters this month. This movement is made to enlarge their facilities. They will manufacture a number of new specialties for the 1896 trade.

Providence, R. I.—Edward A. Godding, bicycles, has been succeeded by the Eastern Cycle & Supply Co.

Rochester, N. Y.—The Rochester Cycle Co. has removed to larger quarters in the Hayden Furniture Co. building, which building has been adapted to the manufacture of bicycles. The company occupies an area of 25,000 square feet, and within the building will be conducted all the various departments of the business, for the manufacture and sale of bicycles.

Sedalia, Mo.—G. H. Wehrman and A. Wehrman, doing business under the firm name of Sedalia Cycle Co., have dissolved partnership, A. Wehrman retiring, G. H. Wehrman continuing the business under the same name.

South Norwalk, Conn.—W. C. Foote and Edgar H. Fox, doing business under the name of the Fox Cycle Co., have dissolved partnership.

Topeka, Kan. — Coughlan, McHenry & Chesney, bicycles, reported sold out to the Capital City Cycle Co.

Westboro, Mass. — The Cycle Improvement Co., manufacturers of Janney pedals and other bicycle accessories, preparing to move into more commodious quarters, when their output will be increased to 100 000 pedals a season. F. F. Clements succeeds George L. Smith as treasurer of the company.

New Goods and Improvements.

Boston, Mass. — The Boston Compound Cycle Co. have purchased a factory building on Union Street, Ashland, and give employment to 200 operatives for the manufacture of bicycles.

Hartford, Conn.—The Pope Mfg. Co. have added a drop hammer, the total weight of which is 50,000 pounds, and which has the distinction of being the largest drop hammer ever made.

Holyoke, Mass.—Henry F. Rashich is reported interested in the organization of a company to manufacture a device for doubling the speed of the main sprocket wheel in bicycles, while the pedals revolve but once. The invention has been patented by Mr. Rashich.

Indianapolis, Ind.—The Indiana Bicycle Co. announce that the capacity of their manufacturing plant has been doubled.

Milwaukee, Wis.—Julius Andrae & Sons' Co., reported leased factory building corner Clinton and Florida Streets, formerly occupied by the Filer & Stowell Co., and will equip it for the manufacture of bicycles. They will move from their present location into the larger quarters shortly.

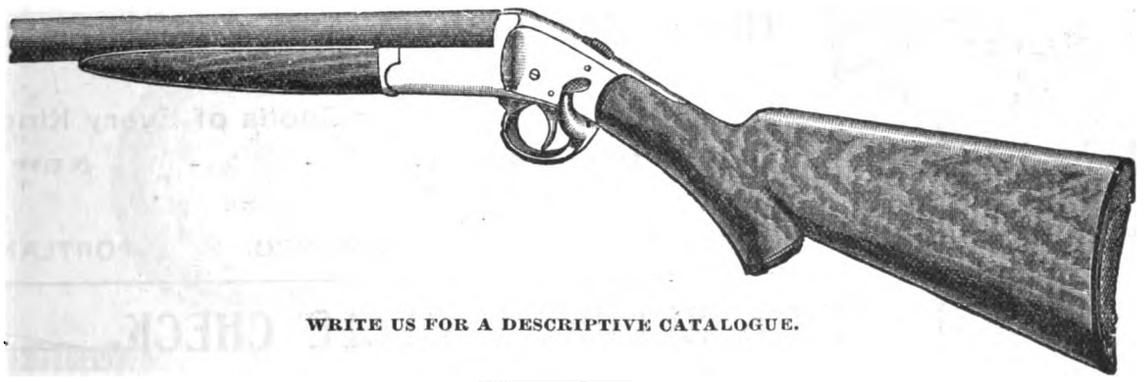
Toledo, Ohio.—The Toledo Bicycle Co., manufacturers of the Dauntless bicycle, have just moved into quarters three times the size of the plant formerly occupied, and will increase their working force from 65 men to 200.

Torrington, Conn.—The Alvord & Spear Mfg. Co. are putting on the market the Torrington rim for bicycles.

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The Three Champions

1. Champion Single Guns by Name
2. Champions by Reputation . .
3. Champions for Fifteen Years.



WRITE US FOR A DESCRIPTIVE CATALOGUE.

Ask your dealers to see them; "there are others," but don't take them, for there is only one CHAMPION GUN, and there can be only one.

Iver Johnson's Arms & Cycle Works,

We make all kinds of Revolvers And have made them since 1871.

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FOR SALE!

A LARGE MANUFACTURING PLANT.

Lately used as a Bicycle works. Large part of shafting and pulleys already in position, so that machinery could be attached and operations begun at once. Capacity, 15,000 Wheels per annum. This property, with water-power, is well adapted to many kinds of manufacturing purposes, and will be sold cheap. For further information, address

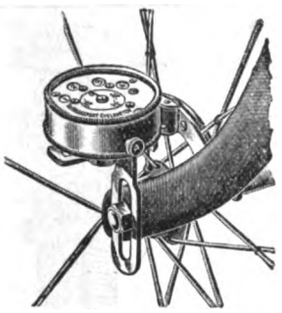
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When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES ARE GOOD TIRES

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THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.

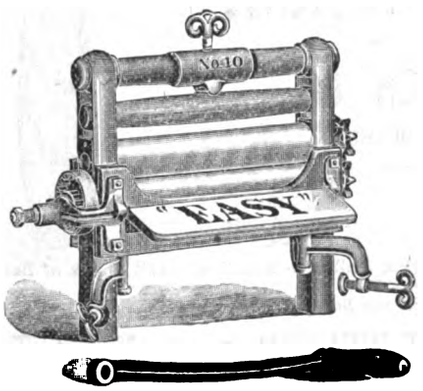
Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.

MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

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"EASY" Clothes Wringer.

BLAIR MFG. CO.,

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Write for prices.



The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

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MALTESE CROSS BRAND

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We are the Sole Makers of the MALTESE CROSS GOODS, but we make others too, and all at prices that you will find attractive.

THE GUTTA PERCHA AND RUBBER MFG. CO.,

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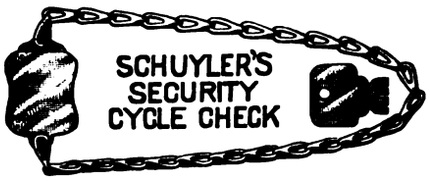
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Handsomely nickeled, light and strong, the traveler's safeguard, a popular lock at a popular price. For simplicity, convenience and neatness of design, the "SECURITY" has no equal. Can be carried in the vest pocket. Key fastens in lock when not in use. Once used by the traveler it becomes indispensable. and is used by bicyclists the world over, When you want to go into the smoker, get off the train for lunch, talk to a friend on the platform, in the waiting-room, at the depot, at the theatre, lock your overcoat, satchel and umbrella to the arm of the seat. It not only secures your packages, but reserves your seat Each lock packed in a neat paper box—one dozen in a carton. Sample by mail for 50 cents. If your Jobber does not handle our goods, write direct to us; remember we pay the freight.



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L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.



MANUFACTURED BY

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Established in 1839.
Registered March 31, 1874.

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Patented July 8, 1884.

Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞Straight Bar, Extra Long Nut for Screw in Jaw.☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

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ELECTRIC WASHING MACHINE

MADE OF

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All Trimmings, Castings, &c., Galvanized.

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Prices and Catalogue gladly sent on application.

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LINENOID PORTABLE BATHS?

White Enamel Finish.

WRITE FOR DISCOUNT.

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"Gem" Clover Cutter. The $5 Shell and Corn Mill. Farm Feed Mills, Powder Mills.

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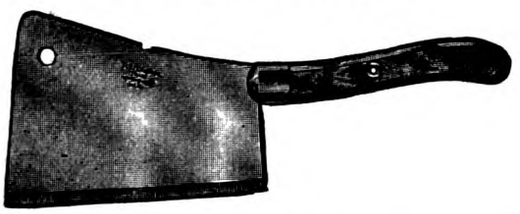
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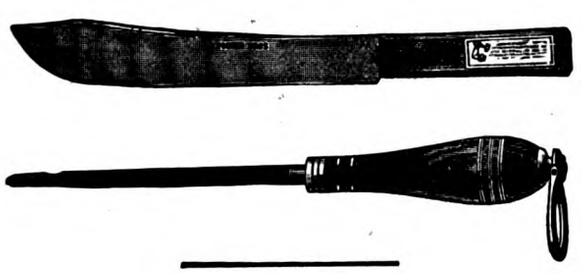
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Sheet Brass, Brass Wire, Brass Tubing.

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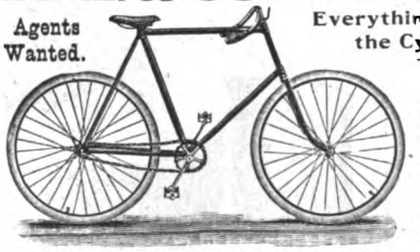
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Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
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Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

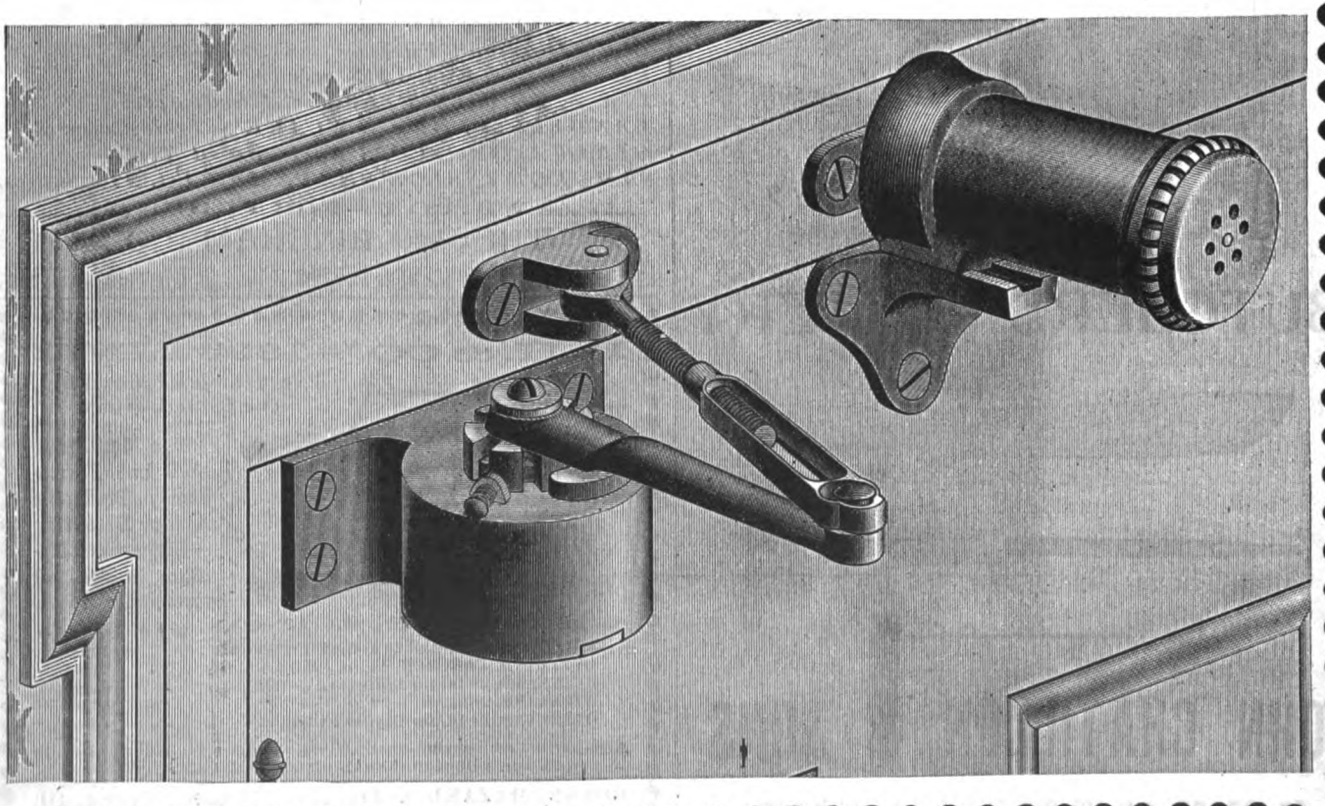
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known the world over as the ECLIPSE, have an established reputation for Simplicity, Durability, Utility and Cheapness.

EASY to put on, EASY to keep in order, PROFITABLE to the dealer. Send for booklet.

Sargent & Co., New York, and New Haven, Conn.

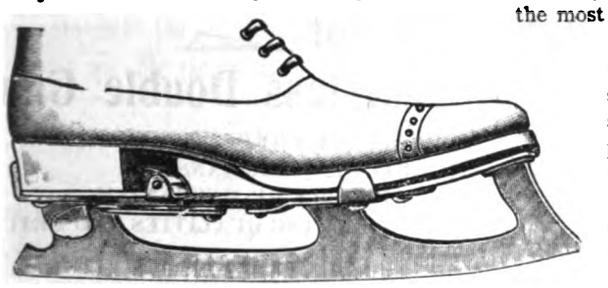


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PECK & SNYDER'S NEW AMERICAN CLUB SKATE.



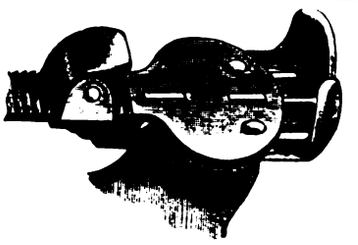
Peck & Snyder's NEW AMERICAN CLUB SKATE for 1895 has revolutionized the art of skate making. New American Club represents an entirely new heel clamp that will fit any heel instantaneously. The old method of clamping to the heel is entirely done away with. It cannot slip, is stronger, acts instantaneously, no screwing or adjusting necessary, saves time, and is without question the most perfect heel clamp ever invented.



MADE IN FIVE GRADES.

Peck & Snyder's New American Club Skate is the most perfect skate ever constructed. It has simplicity of adjustment, solid foot plates, solid heel clamps, and will fit any heel.

The Clasps Cannot Slip. Sure Grip. Thumb Screws and Sets entirely disregarded. It is Light, Handsome, and Twice as Strong as the old club skate.



HERE'S THE NEW CLAMP.

Ask your jobber to show you samples of the "New American Club." If he doesn't carry them, send direct to us for samples and prices. Handsomely illustrated catalogue of this skate mailed on application. Address

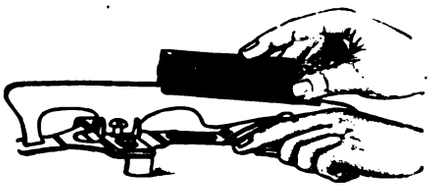
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Every man, woman and child can now sharpen their own skates. The Lynch Skate Plane, for concave or square runners. Is the best skate sharpener ever manufactured. Any one can use it. It will last for years, is perfect in every way, and fully guaranteed.

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Hammerless Double Gun.



WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

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Also First and Second at Interstate Handicap, Pittsburg, 1895.

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Seed's New Water Filter.



I am now making four sizes and prices of Faucet Filters instead of three.

A 1,	$4.50	per doz.
No. 2,	2 50	"
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The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-.65 Remington, and .38-.55 Marlin and Ballard. Made to order only.



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STONE WATER FILTER

ON THE MARKET.

Tripoli Stone Block System.

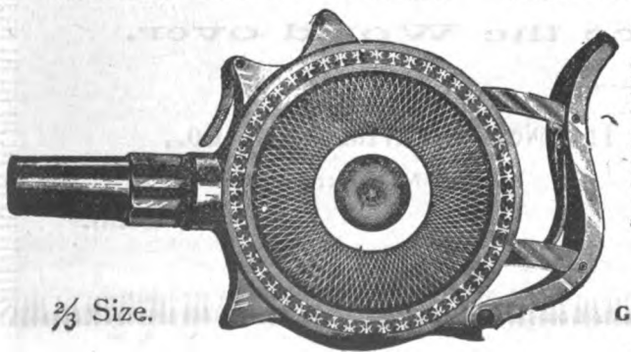
Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

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⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action Seven shots. Can be carried in the hand ready for action without attracting attention and easily withdrawn from the pocket as a watch.

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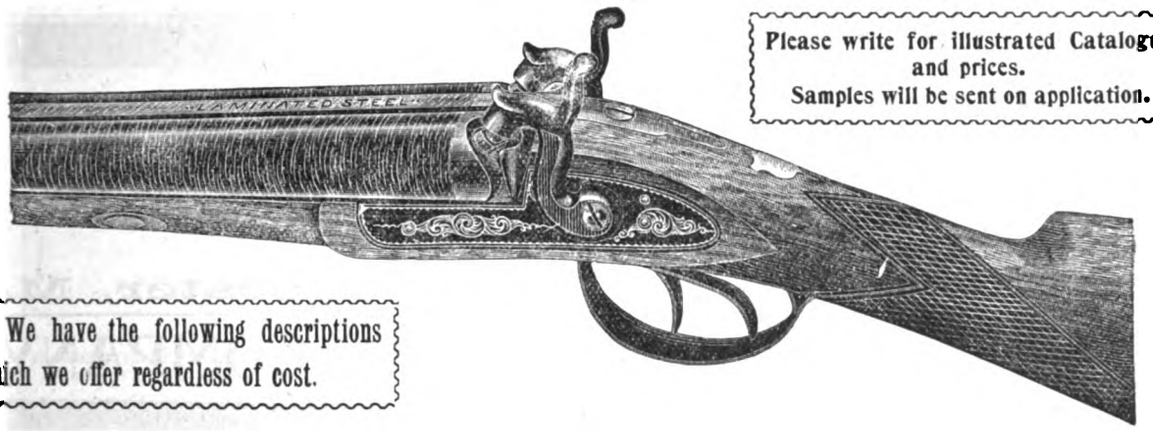
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Please write for illustrated Catalogue and prices.
Samples will be sent on application.

We have the following descriptions which we offer regardless of cost.

No. 200.—Blued Barrels, back action locks, plain varnished stock, iron butt, bright locks and mountings.

No. 200 Bar.—Same as No. 200, but has **Bar Locks.**

No. 18.—Polished Blued Steel Barrels, bright, patent breech back-action locks, checkered grip, iron butt, walnut stock, bright locks and mountings, German silver escutcheons.

No. 1022 Bar.—Bernard Barrels, two gilt bands around breech, nickeled patent breech, bar locks, pistol grip, iron butt, German silver escutcheons, walnut stock, blued mountings, case-hardened locks, mullered pipes.

No. 1022 BA.—Same as above, except with BACK-ACTION locks.

No. 101.—Twist Barrels, patent breech, bar locks, round body hammers, German silver escutcheons, checkered grip, iron butt, walnut stock, blued mountings, case-hardened locks.

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No. 88.—Twist Barrels, nickeled patent breech, two gilt bands around breech, bar locks, engraved and nickeled, round body hammers, German silver escutcheons, checkered fore-end, checkered pistol grip, iron butt, nickeled mountings, walnu stock.

Single Barrel.

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Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "Diamond."**

The "Diamond" Skate Sharpener.

The only Sharpener on the market that will do a clean, smooth job. HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.

For sale by nearly all first-class jobbers, or will be shipped direct from our factory.



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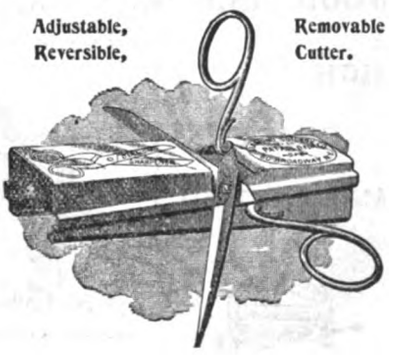
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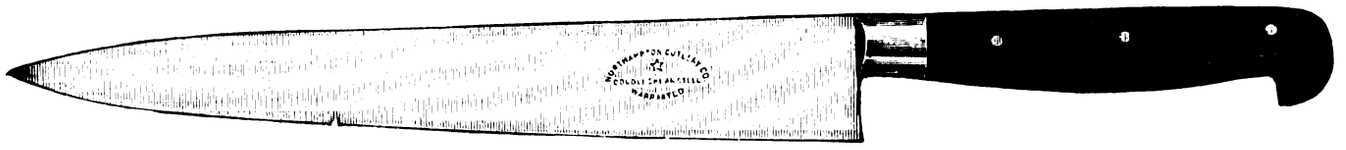
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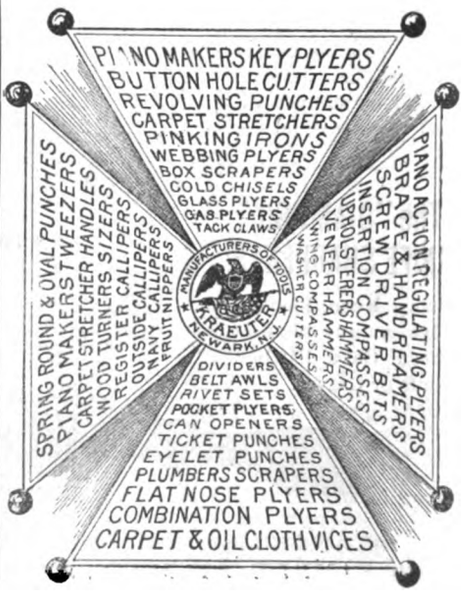
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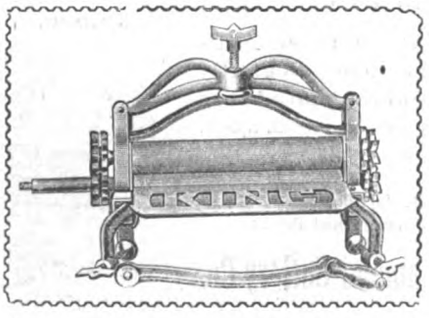
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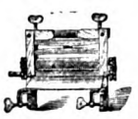


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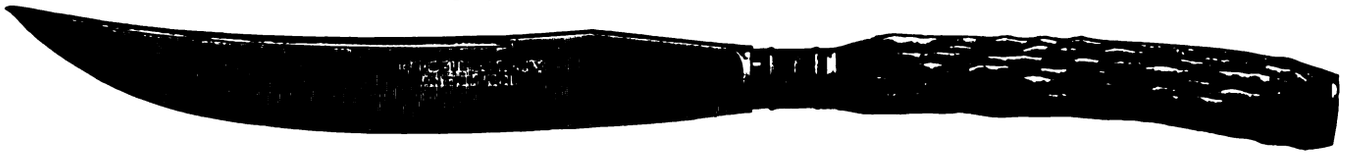
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Our business has grown out of all proportion to any other manufacturer of

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Is that while our goods are unsurpassed in finish and general appearance our special aim has been to adapt them to the purpose for which they are to be used.



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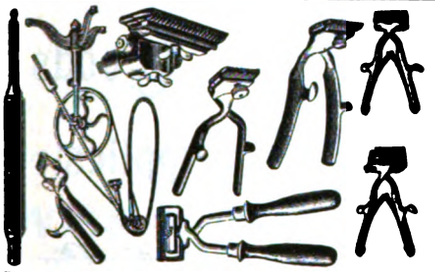
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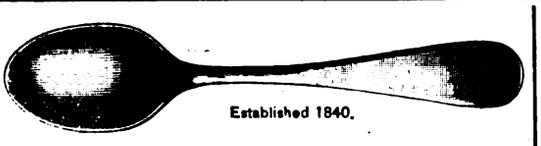
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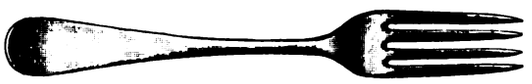
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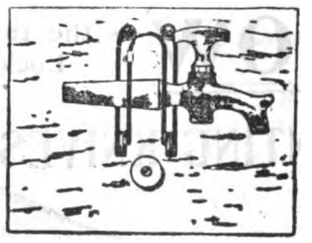
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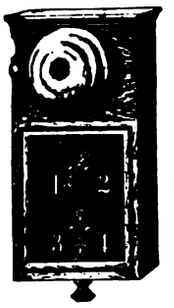
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Send five cents in stamps to the manufacturers for a sample.

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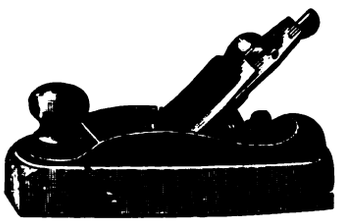
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The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

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Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

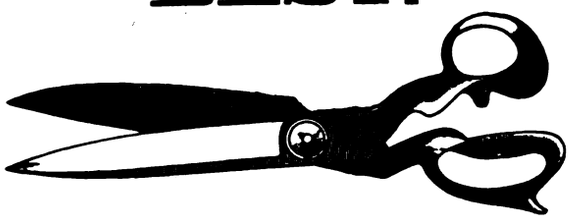
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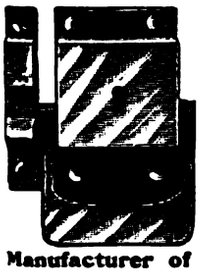
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Write for Illustrated Catalogue of August, 1898, and discount.

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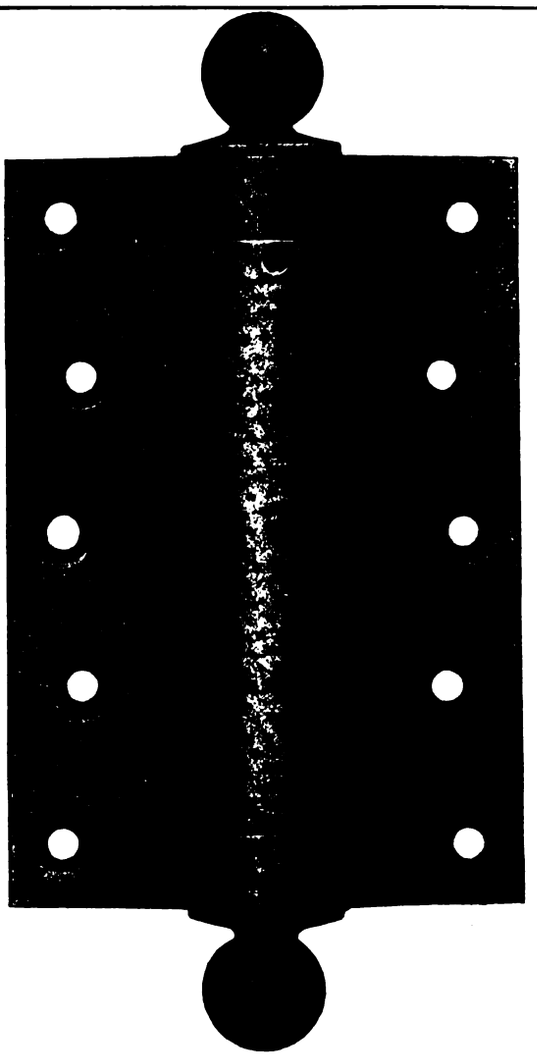
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Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

The Staff of Business.

☞ BREAD IS THE STAFF OF HUMAN LIFE AND ADVERTISING ☜ IS THE STAFF OF BUSINESS.



NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

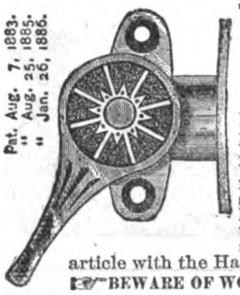
Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

New York, 82 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.



MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



MYERS' FORCE AND LIFT PUMPS



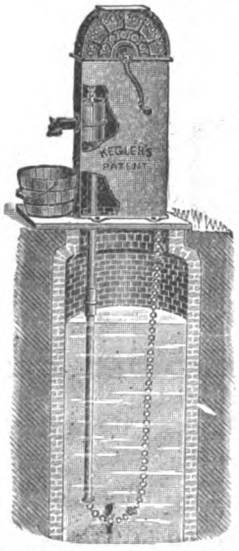
Simple, durable, powerful, easy to operate never affected by frost. Patent GLASS VALVE, will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT Galvanized Iron Tubing and Curb



No taste of iron or wood. No rotting, no rust, no filth. No freezing, as upper section of Tubing is made tapering. No waste of water, on account of enlarged head on Tubing.

More Durability. Less Weight.

Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chainpumps. Send for illustrated Catalogue.

Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

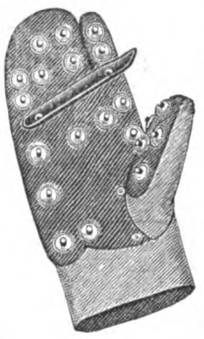
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GREEN MOUNTAIN,
CAMOILLE,
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TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.



Corn Husking Goods.

THE LARGEST LINE, BEST STYLES.

ASK THY JOBBER FOR BLAIRS.



BLAIR HUSKING GLOVE CO., Bucyrus, Ohio.

PIECED TIN WARE.

Not the Cheap John kind,

But Good Honest Tin Ware,

Made of Charcoal Tin

On Modern Improved Machinery.

Each Piece Guaranteed Against Leakage

And to give Good Satisfaction.

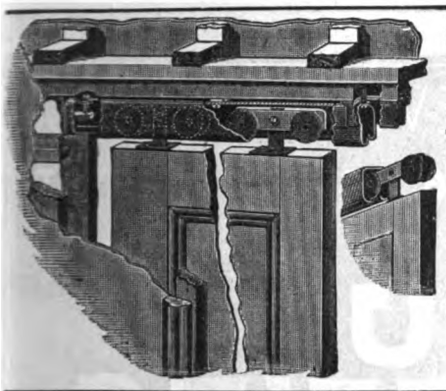
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GEUDER & PAESCHKE MFG. CO.,

St. Paul Ave. & 15th St.,

Milwaukee, Wisconsin.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

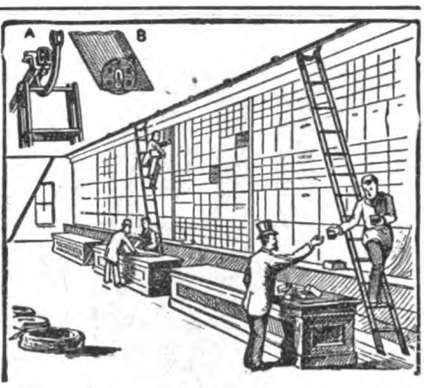
Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





Dumb Waiters.....

that don't keep you waiting.

Simple, smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,

Send for catalogue. NEWARK, N. J.

HAND ELEVATORS,



Dumbwaiters and Hoists.

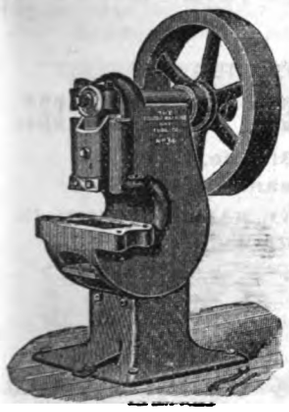
THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

Liberal Discounts to Dealers. Send for Catalogue.

ENERGY MFG. CO.,

1223 S. 15th Street, PHILADELPHIA.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

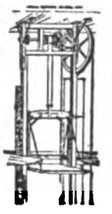
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Power Punches, Forging Presses,
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Straight Sided Double Pitman Presses,
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Special and Automatic Machinery Dies for all classes of work in sheet metals.

Write for Catalogue and prices.

Improved Quick and Easy Rising Steam, Electric and Hand Power



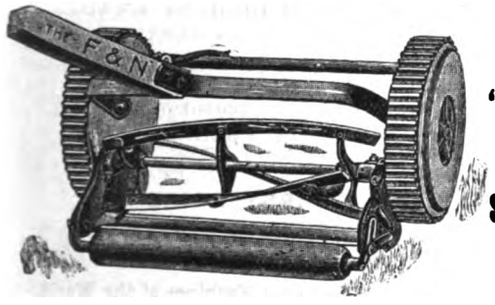
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Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

NEW ENGLAND SPECIALTY CO, - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers &c. Sheet Metal Punching and Nickel-Plating.



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NICKEL PLATING OUTFITS.

ZUCKER & LEVETT & LOEB CO.
OFFICES, 526, 528, & 530 W. 25TH ST.
NEW YORK, U.S.A.

SEND FOR CATALOGUE OF
NICKEL & ELECTRO-PLATING
SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
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Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
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Maneer's Bench
Marking Metal
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Milk Can Handle
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Planished Sheet Iron
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Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
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Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

Howard Iron Works,

BUFFALO N. Y.

Manufacturers of

Bench Vises.

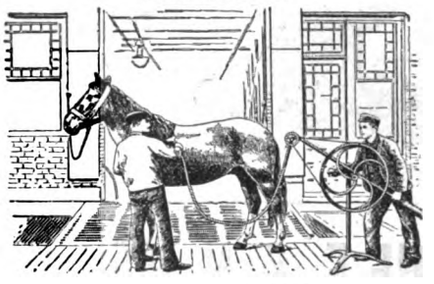
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HEADQUARTERS FOR

"PRIZE WINNER" HORSE CLIPPERS.

Hand, Bicycle, Electric and Steam Power.

MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.

The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST

and most DURABLE MACHINE made.

The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE

FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade. Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

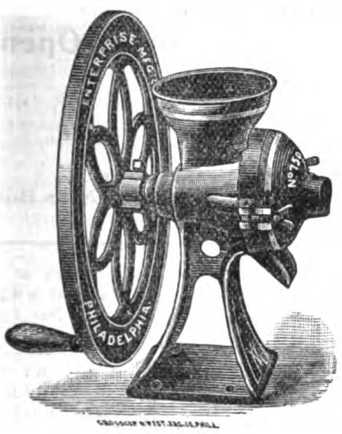
Gillette Clipping Machine Co.,
201 East 23d St., New York
WESTERN AGENTS:
J. H. FENTON & CO.,
153 Michigan Ave., Chicago Ill.

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ENTERPRISE

BONE, SHELL AND CORN MILL,

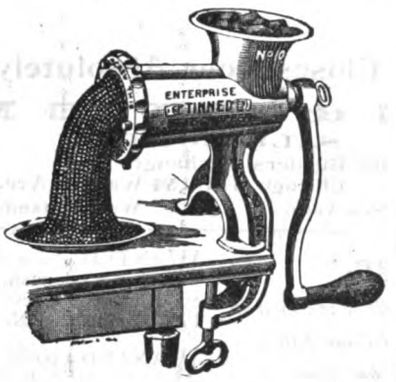
NO. 750.



PRICE $7.50.

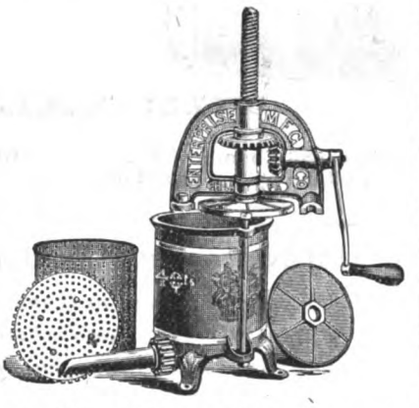
Meat Chopper,

TINNED.



NO. 10, ...
. LARGE FAMILY SIZE,
. . . PRICE, $3.00.

. SAUSAGE . STUFFER AND LARD PRESS.

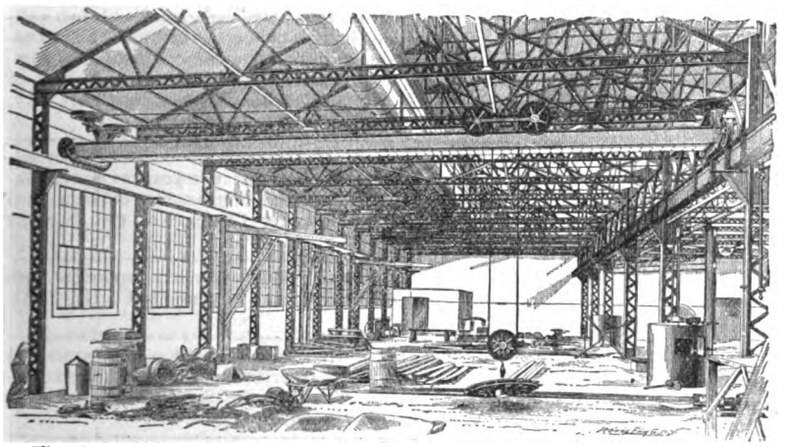


NO. 25---4 QUARTS.
PRICE, $5.00.

. . . . ALL THE LEADING JOBBING HOUSES SELL THEM. . . . .
Catalogue mailed FREE upon Application.

THE ENTERPRISE M'F'G CO. of PA., Philadelphia, U. S. A.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

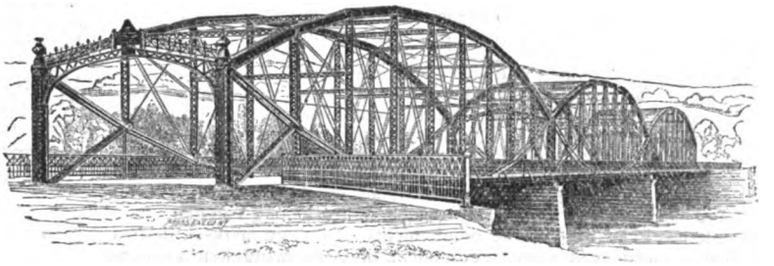


The above illustration is taken direct from a photograph, and shows the interior construction of an Iron Building designed and built by us for the Link Belt Engineering Co., at Nicetown, Philadelphia, Pa. The building is 71 feet in width by 180 feet in length, divided into two equal parts—one side being controlled by a traveling crane and the other side being controlled by jib cranes. The photograph is taken looking through the portion of the building which is controlled by a traveling crane—this traveler being supported by girders, which in turn are supported by a line of posts and girders through the center of the building. The roof trusses are made of iron, with iron purlins covered with corrugated iron.

THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders of Iron and Steel Buildings, Roofs, Bridges, etc., etc.

Send for Illustrated Catalogue.

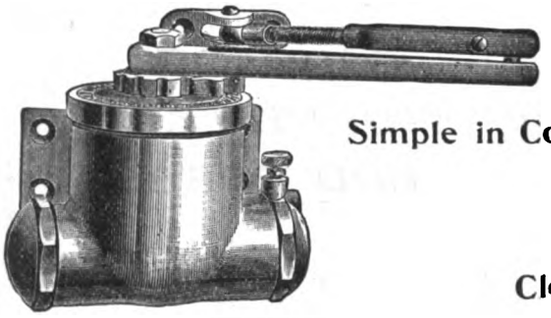


The above illustration, taken direct from a photograph, shows the construction of a Parabolic Truss Bridge designed and built by us for the city of Binghamton, N. Y. The bridge consists of three spans of 165 feet each, with a roadway 24 feet wide in the clear, and two sidewalks each 6 feet wide in the clear.

Office and Works, East Berlin, Conn.

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BLOUNT DOOR CHECK.



A PERFECT DOOR CHECK AND SPRING.

Correct in Design.

Positive in Operation.

Simple in Construction.

Easily Attached.

Perfect Adjustment.

Easy Action in Opening.

Closes Door Absolutely without Slam.

THE YALE & TOWNE MFG. CO.,

SALESROOMS:

New York, 81-86 Chambers St. Buffalo, Builders' Exchange. Boston, 224 Franklin, St.
Philadelphia, 1120 Market St. Chicago, 151-154 Wabash Ave. San Francisco, Mills Building.

General Offices: 280 Broadway, New York. ◆ Works: Stamford, Conn., Bradford, Conn.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

HARDWARE SALESMAN.—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address Baltimore Jobber, care Hardware, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care Hardware, No. 143 Chambers Street, New York.

BY a prominent Hardware house, a first-class clerk who understands the builders' department, competent to take a leading position; good address and able to give the very highest references. Address "Builders' Department," care of W. B Fox & Bro., No. 97 Chambers Street, New York City.

WANTED—A good tinner. One who thoroughly understands roofing, spouting, job work, and heating by hot air and by hot water. Must be an American and temperate, and not over forty years of age. State wages for nine hours' work. Steady job for the right man Address Geo. Rome & Co., Carnegie, Pa.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care Hardware, No. 143 Chambers Street, New York.

Situations Wanted.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care Hardware, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care Hardware, No. 143 Chambers Street, New York.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care Hardware, No. 143 Chambers Street, New York.

WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty-ninth Street, New York.

WANTED a position as buyer of mill supplies and assistant manager of help with a manufacturer, by an American, 38, with sixteen years' practical experience. A1 references. Address "Buyer," care Hardware, No. 143 Chambers Street, New York City.

YOUNG man, 30 years old, twelve years' experience as salesman, desires a position in the Hardware, cutlery and sporting goods lines; well-known to the New York and Eastern buyers; good testimonials Address L. E., care Hardware, No. 143 Chambers Street, New York City.

WANTED—A position by a young man as traveling salesman who has an established trade in the Middle Western States. Thorough knowledge of tin-plate, files and rasps, builders' Hardware. Salary or commission and expenses. Address "Salesman," Hardware, No. 143 Chambers Street, New York.

THOROUGHLY competent and experienced traveling salesman wishes to correspond with some Jobbing house that will recognize hard work and push. Correct habits and best of reference from present employers as to ability, integrity and business capacity. Address "Competent," care Hardware, No. 143 Chambers Street, New York City.

YOUNG man, 21, having had over four years' experience with two well-known New York concerns in the builders' Hardware and ornamental iron manufacturing business, desires similar occupation, or anything which requires a quick and accurate figurer and writer Best of reference. Address A. B. H., No. 39 East 106th Street, New York City, N. Y.

ENGLISHMAN (27) requires situation as traveler—commission or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

YOUNG man, 27, desires position as Bookkeeper, correspondent collector or salesman. Good references. Address J. C. H., P. O. Box 307, Newark, N. J.

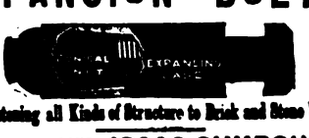
WANTED—A position as retail Hardware clerk by a young man of 24 years of age, with five years' experience and best of references. A position in Southwest Missouri, Texas or the South West preferred. Address W Lasar, No. 3004 Olive Street, St. Louis, Mo

A GOOD pushing live salesman with practical knowledge of patented novelties, would like position either to handle agents or personally introduce new goods. Address R. D. R., No. 480 Washington Avenue, Brooklyn.

REPRESENTATIVE or salesman for manufacturing company, by a young married man at present holding responsible position, and desires to become associated with a concern where attention to business will insure appreciation; can furnish first-class references. F. D., No. 1122 Lafayette Avenue, Brooklyn, N. Y.

WANTED a position as traveler for Hardware Specialties, by a man of ability and experience; salary or commission. Address E. W., No. 1810 N. 13th Street, Philadelphia.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue. Toledo, O

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Situations Wanted.

BUILDERS Hardware salesman, capable of taking charge of department; accurate in taking items from plans and specifications, wishes position with good house. Address D. A. R., care HARDWARE, No. 143 Chambers Street, New York.

POSITION as salesman for tin-plate and metal house, by an American, who has had some eighteen years' experience at the Hardware, stove and tin business. Have full knowledge of the tinner's trade. Desires position with some good tin-plate and metal house. Will work to their interest, too. Am 34 years old. Let me hear from you what you can offer. Address G. H. S., Box 332, Madison, Ohio.

POSITION as traveling salesman. Pittsburg and West Pennsylvania, for Wire, Tin-Plate, Cast or Wrought Iron Pipe. Best of reference and long experience. Address Ernest C. Beatty, Box 897, Pittsburg, Pa.

A YOUNG Englishman (23) desires position in Hardware or cutlery, eight years' experience; 2½ London. Splendid references Wholesale or retail. James R. Bayley, No. 97 Varick Street, New York.

AS salesman, by a middle-aged man. Long experience in stoves, Hardware and house-furnishing goods. Understands all details. Tinner also. Will do any inside work. Location no objection. References. Moderate salary. Address "Capable," care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as clerk or salesman. Have had ten years' experience in wholesale Hardware and four years in wholesale gun and fishing tackle house. References as to character and ability. C. S., care HARDWARE, No. 143 Chambers Street, New York.

YOUNG business man, over four years' experience in ornamental iron and builders' Hardware lines. Best recommendations from two popular New York firms. Address Michael Hoffman, No. 39 East 106th Street, New York City.

THOROUGH business man of wide experience, desires immediate engagement. Location not essential. Can fill any position in a wholesale and retail house. Full particulars by addressing J. B. B., Box 192, Caldwell, N. J.

A POSITION as shipping Clerk. Has had experience in the Hardware trade. First-class references will be given. Address F. N. W., care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Address Energetic, care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter houses. Best of reference if required. Address W. S. BUCHANAN. Oakland P. O., Louisa County, Va.

GOOD selling specialties wanted to handle in western New England. F. E. WHEELER, No. 476 Main Street, Springfield, Mass.

WANTED by traveling salesman for a large Hardware house, a side line of pocket cutlery, scissors, etc., visiting New York towns and cities. Address L. K. Wadsworth, South Butler, Wayne County, N. Y.

FOR SOUTHERN TRADE.—The undersigned, representing cutlery manufacturers, and making frequent visits to all the principal cities of the South, would like to represent some manufacturers of Hardware also. G. A. Seaver, No. 2717 Chestnut Street, New Orleans.

Side Line Offered.

SALESMEN in every State wanted to take as a side line a patented article on commission. Goods sold at sight and are demanded by all classes. For particulars, address T. MFG. CO., Box 7, Malden, Mass.

WANTED—Salesman to handle as a side line, a first-class line of pocket cutlery and scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address L. M. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED salesman to handle as a side line a first class line of Pocket Cutlery and Scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address R. S. T., care of HARDWARE, No. 143 Chambers Street, New York.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co, Canton, Ohio.

SALESMEN that canvas the retail Hardware trade in New York, Pennsylvania, Ohio, Michigan and Indiana, and want a good side line, address, stating territory covered and class of goods now selling, "Side Line," office of HARDWARE, No. 143 Chambers Street, New York.

WANTED salesmen having established trade with jobbers and large retailers to sell on commission a line of patented and well-known night latches. Address, giving names of towns visited, with references, "Latches," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesman to take a good line of white metal spoons and forks and other novelties as a side line on commission. Call or address M. L., Room 1, No. 221 Fifth Avenue, Chicago, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

Hardware Store Wanted.

TO purchase a retail Hardware store with a moderate sized stock having a good location in a live, growing town. Must have a good trade, and doing a good business. Address JOHN R. SWARTZ, Hughesville, Pa.

Agencies for Hardware Specialties Wanted.

AN old-established firm of advertising agents and contractors in the city of London, England, doing business with the leading advertisers of the United Kingdom, are open to accept sole agencies for the United Kingdom for embossed steel or enamelled iron goods, which are suitable for large advertisers, or any novelty in the advertising line for inside or outdoor exhibition. Apply by letter to C. A. H., Room 25, Times Building, New York.

EXPERIENCED cutlery and Hardware salesman, about to locate in San Francisco, wishes to correspond with manufacturers in those lines, with view to representing them on the Pacific Slope. Address Rhoads, care HARDWARE, No. 143 Chambers Street, New York.

Export Agency Wanted.

GENTLEMAN of wide experience and undoubted integrity will shortly remove to Germany, and desires to represent American manufacturers abroad. Propositions may be addressed to "Export," care W. H. H. Hull & Co., Tribune Building, New York.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

Patent for Sale.

FOR SALE: One-half or whole of United States and Canada patents, recently allowed on the only Adjustable Ratchet Monkey Wrench now made. Demand great. A big winner. Address Owner, No. 231 S. Lincoln Street, Chicago, Ill.

For Sale.

FOR SALE—In one of the best manufacturing towns in Ohio, a stock of Shelf and Builders Hardware, Paints, Oils, and Agricultural Implements; stock will invoice $17,000 to $19,000; clean and in good shape. Store does a business of $40,000 per annum. Apply to T. B. Rayl Co., Detroit, Mich.

FOR SALE in Philadelphia, Pa., the Lease, Goodwill and Fixtures of the old established House Furnishing and 5 and 10 cent store at No. 127 North Eighth Street. This is cream of location; and if you are looking for such a store this is one of the few opportunities. Address E. Frey, No. 127 North Eighth Street, Philadelphia, Pa.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

For Sale or Rent.

A NEW, large manufacturing plant, hitherto used in manufacturing reapers and mowers, but well adapted to other uses; thoroughly equipped wtth machinery, tools and appliances of best modern make, all ready to steam up and run; at St. Louis Park, just outside of Minneapolis, Minn., with street car connections; the property being situated alongside of the Minneapolis & St. Louis, and Chicago, Milwaukee & St. Paul railroads with switch connections. For particulars address Geo. C. Squires, St. Paul, Minn.; C. F. Forster, 638 Rookery, Chicago, Ill., or John Little, Xenia, Ohio.

To Rent.

TO rent at New Rochelle, N. Y., a store in the best business part of town. A good opportunity for a live man. Addrees H. E. Colwell, agent; or E. Lambden, Jr., owner'

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1891.

- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

Perhaps You Know All About It!



THE NEW ERA RADIATOR.—Its construction is very simple, but as a heat giver and a saver of fuel it surpasses all others.

Prices also are lower this year. Full particulars may be had by addressing

WILMOT CASTLE & CO.,

83 Elm Street, Rochester, N. Y.



JONES

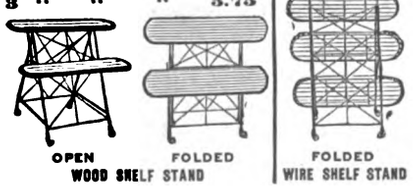
Folding Plant Stands

Durable Strong and Compact

Can be opened or folded at once. Made of Steel and Wire with wire or wood shelves.

PRICE EACH

2 Step	Wood	Shelves	2.00
3 "	"	"	2.50
2 "	Wire	"	3.00
3 "	"	"	3.75



Patented Oct. 1, 1895.

Send for illustrated list, just out.

M. D. JONES & CO.,

368 Washington St., Boston, Mass



SEND FOR CATALOGUE.

NO MORE GARBAGE CANS

to poison the air and become a nuisance. All the kitchen refuse turned into fuel for the morning fire quickly, cleanly and easily by the

HOUSEHOLD GARBAGE CARBONIZER.

A practical, simple, efficient sanitary and inexpensive device, that converts the garbage into charcoal without offence or trouble, and with no interference with the stove or the draft.

Endorsed by Sanitary Authorities.
Recommended by Health Officials.
Adapted to any style of Stove or Range, and for any Family or Building.

W. F. MORSE & CO.,

58 Pine Street, NEW YORK.

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PRICES CURRENT.

The quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....30%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890. 40&10& 10@40&10&10&10 & 5%

GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10...$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.55
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$2.00
Dust Shot, 5-lb bags, ₩ bag....$ .50

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 100 lb lots 10% discount.
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb.....4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb.....2.75
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb.....1.65
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb.....95
"V. G. P." for Trap Shooting, in Kegs 25 lb.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb.....1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black.....1.70
Drum, equal in bulk to 10 lb, best black.....8.35
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....83.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₩ doz $3.80
Galien Safety.....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.70

Anvils—

Eagle Anvils, ₩ lb 9c.....15@15&5%
Peter Wright's.....10@10½c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9½c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4.00	$3.50	$3.50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16	24-16	
$10 00	$11.00	$12.00	$14.00	

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist.....45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓&5
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal.50&10&5@6 &10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@10&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg ₩ gr.....$1.50@$1.55
Pat. Peg ₩ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. ₩ gr...$1.30@$1.40
Handled Brad, ₩ gr.....$2.50@$3.00
H'ld Scratch ₩ gr.....$4.00@$4.50
Socket Scratch ₩ doz....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $13; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands.$5.25@5.50
First quality, other " $4.75@5.00
Beveled add 50c ₩ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 lb.....₩ doz. 33c net.
Circular Spring Balances....50&10%
No. 2000 20 30
Chatillon's ₩ doz. 75c 83c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%

Beef Shavers—

Enterprise.....25%

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's.....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓&5

COW—
Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...6 ⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....30%
Millers Falls ₩ doz. $4.50.....

Bit Holders—

Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..₩ doz. $3...33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1 00.....20%
Austin & Eddy ₩ gro. sets.....$5.50
Gorhams Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $1 00...20@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75&10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....80%
Wr't Shutter, all iron, Stanley's, 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com. Jan 30, '95.....65&10&12½%
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila., Eagle, list $2.40.....80%
R. B. & W., old list.....70&10&2%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....70&10%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....70%
B. R. & W., list Oct. 16, '94.....80%

STOVE AND PLOW—
Stove.....70%
Plow.....60&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....70%

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 50@ 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 20%

Bow Pins—

Humason, Beckley & Co.'s.70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co.60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....60&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....60@70&7½%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....50&10%
Shelf, Francis Keil & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....80&10@80&20%
Cast Brass, Tiebout's Fast Joint.60%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze..30%

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5%
Fast Joint, Broad 5 &10@50&10@10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned.....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@80%
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@7 &5%
Loose Pin, Acorns, Jap.70&10@75&5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips..... 5&10@80%

WROUGHT STEEL—

List, April 1, 1895.

Narrow, No. 800.....
Narrow, Loose Joint, No. 802..
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No. 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No. 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 82).....
Extra Light, No. 826.....
Light Reversible, No. 834.....
Light Loose Joint, No. 836.....
Wardrobe, Ger. Pat. No. 83⅓.....
Light Narrow, No 833.....
Loose Pin, Light Nar., No. 840
Light Inside Blind, No. 842....
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 832.....

} 75&5@75&10%

Can Openers—

Messenger's Comet..⅌ doz $3.00, 25%
American.....⅌ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ⅌ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, Iron Handle.⅌ gr....$2.20@2.25
Eureka.....⅌ doz. $2.50.....10%
Sardine Scissors...⅌ doz. $2.75@3.00
Dunlap's Sardine Scissors, ⅌ doz. $5.00.....25%
Star.....⅌ doz. $2.75
New Sprague, Metallic Handles, ⅌ doz.....50c
New Sprague, Wood Handles, ⅌ doz.....60c
World's Best, ⅌ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ⅌ gr $9.00
Goodell's Acme, ⅌ gr. $8.00; ⅌ doz.75c
Universal, ⅌ doz. $3.00.....55&5%
Domestic, ⅌ doz. $2.00.....45%
Champion, ⅌ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ⅌ gro $7.00.....50%
Kohler's Cyclone.....⅌ doz. 75c
Kohler's Lightning.....⅌ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@25%
Cotton.....2 @25%
Wool.....2 @25%

Carpet Stretchers—

Cast Steel, Polished.....⅌ doz. $2.25
Cast Iron, Steel Points.⅌ doz.75@80c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....⅌ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....⅌ doz. $36.00
Gold Medal.....⅌ doz. $27.00
Prize.....⅌ doz. $27.00
Premier.....⅌ doz. $27.00
Superior.....⅌ doz. $27.00
Cosmopolitan.....⅌ doz. $27.00
Furniture Protector, Japanned.....⅌ doz. $24.00
Furniture Protector, Nickel.....⅌ doz. $27.00
Inter Ocean.....⅌ doz. $27 00
Hall.....⅌ doz. $48.00
Crown Jewel, japan finish, ⅌ doz $19 00
Crown Jewel, silver bronze trimmings, ⅌ doz.....$20.00
Crown Jewel, nickel trimmings, ⅌ doz.....$21.00
Excelsior.....⅌ doz. $22.00
Garland.....⅌ doz. $18.00
Grand Rapids, Jap...⅌ doz. $24.00
Grand Rapids, Nick..⅌ doz. $27.00
Housewife's Delight..⅌ doz. $15.00
Improved Parlor Queen Japanned.....⅌ doz. $24.00
Improved Parlor Queen Nickeled.....⅌ doz. $27.00
Standard.....⅌ doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 ⅌ doz. in 5 doz. lots, $2.00 ⅌ doz. in 10 doz. lots.

Casters—

Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&10%

Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50%
Yale Gem.....70&10%
Giant Truck Casters.....35%
Stationary Truck Casters.....50&10%
Socket Truck Casters..45&10@45& 10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%

COW TIES—

American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

American Coil, in cask lots at fact
3.16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
6.75 8.00 4.00 3.75 3.50 3.40 3.20 3.15
Less than cask lots, add ¼c @ ½c ⅌ lb.
Trace, Wagon and Fancy Chains, 60&10&10 @70%
Covert Mfg. Co.....45%
German Coil.....70@70&10%
German Halter Chain.....70@70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Covert Mfg. Co. Chains.....45%
Galvanized Pump Chain, with Buckets.....61¼@4½%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 80&5@80&10%

C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to £
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Draw Ing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ⅌ lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each 2.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....5%
Skinner's Pat. Comb. Chuck.....40%
Drill.....3%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 50&10%
Carriage Makers', Sargent's..50& 10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .... 2 &10%

Cleavers—

Foster's.....80%
Jennings & Griffin.....40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10& 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s: Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....2@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's.....33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....⅌ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N R. G Gloves...⅌ doz. $12 00
No. 025 Gloves.....⅌ doz. 4.50
No. 125 Gloves.....⅌ doz. 6.00
No. 150 Gloves.....⅌ doz. 9 00
No. 155 Gloves.....⅌ doz. 8 00
No. 146 Gloves.....⅌ doz. 9.00
No. 152 Gloves.....⅌ doz. 7.50
No. 142 Gloves.....⅌ doz. 7.00
No. 128 Gloves.....⅌ doz. 6.00
No. 052 Gloves.....⅌ doz. 5.00
No. 147 Gloves.....⅌ doz. 4.50
Wrist Supporters.....⅌ doz. ...
No. 160 Husking Pin...⅌ gro. 7.00
No. 165 Husking Pin...⅌ gro. 10 50
No. 170 Husking Pin..⅌ doz. 2.00
Hubbard's Solid Steel.⅌ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ⅌ dos. $2.00; E, $1.75.....6%
Wrist Supporters.....⅌ doz. 75c
Mittens.....⅌ doz. $1.50
Ashtabula.....⅌ gro. $2.50
Brinkerhoffs.....⅌ gro. $15.00
Buckeye.....⅌ gro. $4.00
Cleveland.....⅌ gro. $7.50
Johnson's.....⅌ gro. $6.50
Universal.....⅌ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....⅌ gro. $3.75
Emerald.....⅌ gro. 5.00
Oriole.....⅌ gro. 5.00
Rainbow.....⅌ gro. 2.81
Solid.....⅌ gro. 7.50

Curry Combs—

Spring, Jap'd ⅌ doz $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber, ⅌ doz. $7.00.....20⅌10%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....⅌ doz. $1.75
F. E. Kohler & Co.'s Humane ⅌ dos. $1.67
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00. dos.....40&10%
Nickeled Shank 4 4½
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.25, dos.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

SPARK COIL—

Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—

Torrey's Rod, 39 in, ⅌ doz $1.20@1.25
Bee Rod ⅌ gr., $20.00.....20%
Warner's.....55@55&5%
Gem (Coil), list April 19, 1886. 25&10%
Star (Coil), list April 19, 1886.20&10 &10%
Foster's (Coil).....20%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ⅌ doz, $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ⅌ doz. $5.50. 66⅔@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 80@80&10%

Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White.....2 &5@25%
Bradley's.....35%
Adjustable Handle.....25@33⅓%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1.75
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $3.00..25%
Breast, Bartholomew's No. 1, ₩ doz.....$1.00
Ratchet, Merrill's.....30@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....2 @30&5%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill. No. 1, $10.00; Adjustable No. 10, $ 2.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1 85
Stearns' Bench.....5@ 0&10%

TWIST DRILLS -

See Augers and Bits.

Egg Beaters—

Dover (Dover Stamping Co) ₩ doz $1.00; per gross.....$10.50
National, ₩ doz $4.50.....33⅓%
Fa...7 (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.00
Rival (Standard Co.).....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 $11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF FF.
Kegs, ₩ lb..4½c	5c	3c	
½ kegs, ₩ lb.4½c	5½c	3½c	
¼ kegs, ₩ lb. 5c	5½c	3½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans, less than 10.. 10c	10c	8c	

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....70%

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—

John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL.. 1st quality, Cork Lined...60%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat.. Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt ...	$3.00	$3 50	$4.00
Dairy Pails, 14 qt. $3.30.		4.00	
Fire Pails, No. 2, 14 qt.	4.00		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy).....	3.70		
Buggy Pails (short and light).....	2.75		
Prison Pails (with cover).....	6.50		
Slop Jars (bal. trap), No. 5 and 5x. 14 qt ...	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt...	5 50	6.50	7.50
Commode Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)..	1.90	2.80	2.80
" (13½ inch)	2.80	2.80	3.30
Wash Bowls.....		3.50	4 00
Pitchers.....		5.00	5.50
Milk Pans (Old Gold, in No. 5).....		2.00	2.50
Fruit Bowls.....		1.90	2.10
Keelers, 11½ inch.....		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use).....	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc.....	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)...	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)...	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high.....		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed).....	3.50	4.00	4.50
Spittoons, 10 1nd 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures ...	2.50		

Files—

DOMESTIC—

Best Brands.....60&10&10@70%
Good Brands.....70&5@75%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&.0&10%

IMPORTED—

Stubs.....Stubs' list, 25&30%

Filters—

Seed's Water Filters:
A 1, $4.50 No. 2, $3.50 No. 3, $1.75 No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (60c base).....10%

Fluting Scissors—

List.....45%

Forks—

Hay, Manure, &c., Asso. List....75%
Hay, Man'e, &c. Phila. list.60@60&10%

Freezers, Ice Cream—

Shepard's Lightning.....65%
White Mountain.....60@60&10%
Ohio.....60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—

Standard List:

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....2%
Wire, Brown & Sharpe's.....1 @30%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₩ gro....$4.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid..... 25@30%

Glue Pots—

Tinned.....10@50&10%
Enameled.....10@50&.0%
Family, Howe's "Eureka".....40%
Family, L. F. C.'s "Handy".....50%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P. S. & W. Co.....60&10 &10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters.....33⅓%
Web and Rope Haliers...33⅓%&55%
Horse and Cattle Ties.....33⅓&%
Upson & Wooding.....40%

Halter Leads—

Covert Mfg. Co.....45%

Hammers—

HANDLED HAMMERS—

Maydole's.....25&1 @25&10&10%
Buffalo Hammer Co....
Humason & Beckley...
Atha Tool Co.....
} 50&10@60%
C. Hammond & Son. List..40&10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₩ doz..... Nos. 1, $3; 2, $6..... .....33⅓%
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₩ lb 4c
3 to 5 lb.....₩ lb 36c
Over 5 lb.....₩ lb 30c
} 75@75&5%
Wilkinson's Smiths...10c@10½c₩ lb

Hammock Ropes—

Covert Mfg Co.....45%

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....$	.90	1.00	1.03	1.35	1.50

60&10&10@7%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's...50&10@50&10&10%
Roggin's Latches ₩ doz.....22c@30c

STORE DOOR HANDLES.—

Japanned Nuts.....$1 62
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—

Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....10&2...
Brad Awl.....₩ gr. $2.00
Hickory Firmer Chisel, as ₩ gr4.50
" Firmer Chisel, large ₩ gr5.00
Apple Firmer Chisel, as..₩ gr5.00
Apple Firmer Chisel, large ₩ gr6.00
Socket Firmer Chisel, as. ₩ gr3.00
} 40&10@50%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75
Auger, assorted...₩ gr 5.00
Auger, large.....₩ gr 7.00
} 50%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.60&10@60&10&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track..55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $2).00; No. 3 $25.00; No. 4, $35.00.. .... 70%
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction.60&10@.0&10&5%
Duplex (Wood Track).....60&10&5%
Terry's Ideal.....6 &10%
Terry's Modern.....6%
Terry's Modern, Covered.....70%
Terry's Safety.....6 &5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....6 &10&10%
Munger Hanger.....20&10%
Davis Parlor Door.....50@50&5%
Cronk's Steel cov'd Anti-Frict...6%
Cronk's Acme, Flat Steel ₩ doz. $7.00 .....75%
Queen City Reversible...75&10&5%
Felix, ₩ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....60@50&5%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&5@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning, from jobbers.$6 50@$7.50
Gem.....₩ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T.....50@50&10%
Corrugated Strap and T..50@50&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. 6 to 12 in., ₩ lb 3 c; 14 to 20 in., ₩ lb 2½c; 22 to 36 in., ₩ lb 2 c
Rolled Blind Hinges Nos. 32 and 34 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 6 to 12 in. ₩ lb, 5c. 14 to 36 in. ₩ lb, 4c.

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts..40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
American.....20%
Empire and Crown.....20%
Stover Ideal ₩ gro.....$13.00
New Idea, No. 1, ₩ gro.....$12.00
New Idea, No. 2, ₩ gro.....$24.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting.....25%
Union Mfg. Co.....25%
Bommer's.....35%
Buckman's.....25%
Chicago.....30%
Wiles' No. 1, ₩ gr., $18.00; No. 2, $13 00
Devore's No. 1.....₩ gr. $13.00
Rex.....₩ gr. $13.00
Royal Japanned.....66⅔%
Royal Bronze.....45%
Reliable.....60%
Champion.....60%
Matchless No. 10.....70%
Victor.....₩ gr. $10.00
Torrey.....80%
Rubber.....66⅔%

GATE HINGES—

Western, ₩ doz $4.20, 60&10@60&10&5%
N. E...₩ doz $7.80, 60&10@30&10&5%
N. E. Reversible..₩ doz $5.80, 60&10@80&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..₩ doz $4.90, 60&10@60&10&5%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3.60&10@60&10&5%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—

Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%

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Nicholson.....45&10%
Huffer.....60&10@60&10&10%
Clark's Nos. 1, 3, 5, 40 and 50.75&10 &5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75 10%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&2½%

Hitching Cords—

Covert Mfg. Co.....45%

Hoes—

HANDLED—

Garden, Mortar, &c.....75&30%
Planter's Cotton, &c.....80&20%
Warren Hoe.....60&10%
Magic.....₩ doz $4.00
Dunlap's:
Boys'.....80&10%
Ladies'.....80&10%
Toy.....80&10%

EYE—

D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.30&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Maslin Kettles.....75&10@80%
Boilers and Saucepans..60@60&10%
Tinned Boilers and Saucepans. 60@ 60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware....60&10%
Rustless Hollow-Ware....60@60&5%
Triumph Broilers.....50%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&15&5%
Rogers & Brother.....40&15%
Hartford Silver-Plate Co....40&15&5%
William Rogers Mfg. Co...40&15&5%

Hooks—

CAST IRON—

Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list.
} 60&10&10 @70% 5.&10%

Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....50&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60 &10&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—

Cotton.....₩ doz $1.35
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz.....60c

MEAT—

Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%

WIRE—

Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat, "Cree't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50@50&10%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....50&10@50&20%
Handy Coat and Hat.....60@60&10%
Steady Ceiling.....60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—

Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush.....55@60%
Whiffletree—Premium.....60%
Hooks and Eyes—Mal. Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

	Nos. 6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9½	9½	9½	9½	9½	net
Ausable	28c	26c	25c	24c	23c.	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&5%
Essex	28c	26c	25c	24c	23c.	40&10@50%
Lyra	9½c	9½c	9½c	9½c	9½c., net	
Snowden	9½c	9½c	9½c	9½c	9½c., net	
Vulcan	23c	21c	20c	19c	18c	25%
Northw't'n	26c	23c	22c	21c	20c.	25@25&5%
A. C.	25c	23c	22c	21c	21c.	40&10%
C. B. K.	25c	23c	22c	21c.	21c	40%
Maud S.	25c	23c	22c	21c.	21c	50&10&5%
Champlain.	23c	26c	25c	24c	23c	40&5&2%
Saranac	25c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	22c	21c	20c.	40&5&2%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	18c	50%
Empire Bronsed						10@10½c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co.....45%

Hose, Rubber—

Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10&5%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—

Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20.....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Jack Screws—

See Screws.

Kettles—

Spun Plain Brass.....35&5%
Spun Brass, plated inside with White Metal.....20&5%
Stamped Brass Kettles, ₩ ℔ 19@20%

Keys—

Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@ 60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—

Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....25@?0%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—

Door Mineral.....55@50%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....50%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—

Sargent's.....60&10@50&10&5%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—

New Easy.....@60&10&60&10&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%
Philadelphia, Styles O. & M., D. G. U. & S. B., Self-adjusting C. & L., High Wheel.....70&10%
Philadelphia, Style A., all Steel, 60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—

Enterprise.....25%
Gibbs' Arc.....₩ doz. $10.00
Gibbs' Hustler.....₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler:
No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00..40%
No. 4, $7.00 each.....33⅓%

Lemon Squeezers—

Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 20&10%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $8.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%

Letter Box Plates—

Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—

C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....80%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....45%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—

DOOR LOCKS, LATCHES, &C.—

R. & E. Mfg. Co., list August 15, 1895.....60&10 net
Mallory, Wheeler & Co., list July, '88.....60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94..60&10 @60&10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓%
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Deits Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....50&10%
Shepardson or U. S.....35%

CABINET—

Cabinet Locks.....60&10@70%
Eagle Lock Co.....25&10%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 22 to 39.....40%
Dietz, Nos. 41 to 78.....45%
Dietz, Nos. 87 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40@40&10%

PADLOCKS—

Wrought Iron.....70&10@80%
Gem. Corbin Cabinet Lock Co.40&2%
Eagle.....40%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 3.....40&5%
Scandinavian.....90&40@90&40&10%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ₩ doz. $9.00...50@50&10%
Barnes Mfg. Co.....50@ 0&10
Nock's.....30&10%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 109 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 109, inclusive.....50%
Ames Sword Co. above No. 108, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—

Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—

Regular list.....70&10@75%

Meat Cutters—

Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....33⅓%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70@70&5%

Nos.	11	12	13
	$37.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	5	6
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$6.75	$4.00

Enterprise.....35&30%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&10%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ doz $36.00.....60%
Draw Cut, each:

Nos.	5	3	6	8	
	$50	$75	$80	$225	20@25%

Beef Shavers (Enterprise).....25@30%
Little Giant.....50&10%

Nos.	305	310	312	320	332
	$35.00	$42.00	$44.00	$72.00	$68.00

Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.]
Wire Nails and Brads, Papered, Association list, May 1, 1892, 8@ 10@80&10&10%
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—

Brass Head. Sargent's list, 70&10@ 70&10&5%
Brass Head. Combination list, 50& 10%
Porcelain Head, Sargent's list, 50& 10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%

FURNITURE—

Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—

Black Hawk, per doz.....$9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $15.00, 20@10%
Giant, No. 2.....₩ doz $15.00, 20@10%
Pelican.....₩ doz $9.00, 25&10%
Lightning.....₩ doz $18.00, 20%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point₩ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....50%

Nuts—

Cold Punched, Square....4½c off list
Hex.....6c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔, net.
Tapped.....50%

Oilers—

Zinc and Tin.....70&10@75%
Brass and Copper.....50&10@60%
Malleable. Hammers, Improved 10&5%
Malleable, Hammers, Old Pattern, same list.....50&10@60%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc,....70%
Prior's Pat. or "Paragon Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 85c

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Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross..... 7.00
Indian Pond Red End, No 2, ₩ gross..... 5.00
Black Diamond, No. 1.....12.00
" No. 2..... 8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2..... 5.00
Discount 33⅓ %

OIL STONES—

Pikes Washita:
Lily White 60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ D..... .50
No. 1..... .40
No. 2..... .30
Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2⅜ to ⅝ at back, ⅛ to 5-16 edge ₩ D:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above 80
No 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ ₩ D..... .70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ D..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5¼x1¾ to 2x¾ to 1, ₩ D..... 2.80
No. 1, 5½ to 8x1¾ to 2x¾ to 1, ₩ D..... 3.50
No. 1, 3 to 12x1¾ to 2x¾ to 1, ₩ D..... 4.00
No. 2, 3 to 5¼x1¾ to 2x¾ to 1, ₩ D..... 1.00
No. 2, 5½ to 8x1¾ to 2x¾ to 1, ₩ D..... 1.50
Discount 33⅓%
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x2 in..... ₩ doz. $ 0.00
7x2 in..... ₩ doz. 36 00
6x2 in..... ₩ doz. 30 00
5x2 in..... ₩ doz. 24.00
4½x ½ in..... ₩ doz. 14 00
3-9x1 in..... ₩ doz. 9 00
4x1 in, on Mahogany Handles..... ₩ doz. 7 00
3½ in., in Vulcanized Rubber Case..... ₩ doz. 12.00
Discount 33⅓ & 10%
Pike's Arkansas Round Edge Slips:
No. 1 reg, 3 to 5x1¾ to 2x⅜ to ⅝ in. back x⅛ to ⅜ in edge, ₩ D..... $4.00
No. 1 small, 3 to 5x1¼ to 1½x¼ to ⅝ in. back x⅛ in to sharp edge..... ₩ D 6.00
No. 2 assorted sizes..... ₩ D 2.50
Discount 33⅓%
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1½x⅜ to ⅝ ₩ D..... 4.00
No. 2, assorted sizes, ₩ D..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Regular Bench Stones
No. 1, 3 to 5¼x1¾ to 2x⅜ to 1 in..... ₩ D, $1.50
No. 1, 5½ to 8x1¾ to 2x⅜ to 1 in..... ₩ D, 1.70
No. 1, 8 to 12x1¾ to 2x⅜ to 1 in. ₩ D..... 1.90
No. 2, 3 to 5¼x1¾ to 2x⅜ to 1 in..... ₩ D, .50
No. 2, 5½ to 8x1¾ to 2x⅜ to 1 in..... ₩ D, .70
Discount 33⅓%.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1 reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x ⅛ to ⅜ in. edge, ₩ D..... $2 50
No. 1, small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x ⅛ in. to sharp edge..... ₩ D, 4.00
No. 2, assorted sizes..... ₩ D, 1.00
Discount 3 ⅓%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ in..... ₩ D, $2.50
No. 2, assorted sizes..... ₩ D 1.00
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ D .08
Washita Finish, about 8x2x¾ to 1¼, ₩ D..... .10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ D..... .20
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₩ D..... .12
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30

Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ D..... .08
Small Axe, about 3x2x¾ to 1 ₩ D..... .10
Special Axe, 2½x1¼x⅛ ₩ D... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 D, ₩ D..... .05
Medium, 8 x 1¼ x 1¼, weight about 1½ D, ₩ D..... .05
Large, 8x1¾x1¾, weight about 2D. ₩ D..... .05
Small table, 10x2¾x3¾, weight about 4 D..... .06
Large Table, 10x2¾x5 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₩ D .50
Extra, " ₩ D..... .8
Round Edge Slips, No 1, ₩ D. 2.00
Discounts 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....80%
"Excelsior" Self-Vulcanizing, per D 70c.....40%
Boston "Phœnix" Red Sheet, per D..... 50c. net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N. Y. B. & P. Co., 1846-Para....40&10%
N.Y.B. & P.Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....70@5%
Standard, Fair Quality.. 70&10@75%
Extra.....60&6@60&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 3XL.50%
Jenkins' Standard ₩ D 30c 26@25&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ D
Russian Packing.....13c@14c ₩ D
Italian Packing.....12c@13c ₩ D
Cotton Packing.....14c@15c ₩ D
Jute .....6c@7c ₩ D

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin .....₩ doz 5.00
Bonanza.....each 5.00
Daisy .....₩ doz 8.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite .....₩ doz 5.00
Ideal .....₩ doz 4.00
Improved Bay State. ₩ dz. $27@30.00
Little Star.....₩ doz 4.00
Monarch .....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection .....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.50
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78 .....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination.....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality .....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey's..50%&10&10@50&10&10&10%
Miscellaneous .....25&10%
Steer's Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's .....6@6&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle".....
Ohio .....
Sandusky.....
30&10@30 &10&10%
L. & I. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers. ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00 ...40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....35%
Stubs'.....30%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronks, Stubb's Pat. Pliers.....50%
Cronk's Button Pattern .....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....2 to 1%
Stanley's Handy.....20&10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@75&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75
Dixon's Plumbago.....₩ D 8c

Poppers, Corn—

Round or square, 1 qt., ₩ doz. $1.00; ₩ gr. $8.00 } 10@
1½ qt. ₩ doz. $1.00; ₩ gr. $9.00 } 15%
2 qt., ₩ doz. $1 50; ₩ gr. $14 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt, $4 00.....33⅓%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale, 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔%@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔%@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump..... .....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 69, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 103, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.00
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 408, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 4-4, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 5-2, Cyclone Tank Force Pump $17.00
No. 267, Fig. 488, Geyser Tank Force Pump.....$17.00
No. 268, Fig 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320 Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@55%
Spring, good quality, ₩ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket 65
Bemis & Call Co.'s Spring.....50&5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe $6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in Stove Pipe.....$9.00
Planished Iron, to fit 6 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.00
Planished Iron, to fit 7 in. Stove Pipe.....$8.50
Planished Iron, to fit 8 in Stove Pipe.....$10.00

Rail—

Sliding Door, Wr't Brass, 1⅛ in. ₩ D, 35c.....80&10@40&5%
Sliding Door, Bronzed Wr't Iron. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 2c
Barn Door, Light, In. ⅛ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....8½c
Victor Track Rail, 7c ₩ foot.....60%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—

Cast Steel, Association goods.75&10%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.50
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1. net ₩ doz. $4.50
Gibbs' Hustler, No. 0. net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4
Per doz	$1.40	1.50	1.80	2.25..80%

Boys' rakes.....₩ doz $3.50

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Ladies' rakes, ₩ doz, No. 1, $2.00: No. 2, $3.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth, No $2.40; No. 2 $3.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust $1.50
Gibbs' Garden:
Boss, No. 14 net ₩ doz. $2.60
Boss, No. 18 net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co 20%
Wostenholm and Butcher, $10.00 to $ 10%
Jordan's AAA1, list Nov. 1, 1889 50%
Jordan's Old Faithful, list Nov. 1, 1889 50%
Electric List net
Campbell's Celebrated Warranted 50%

Refrigerator Hardware—

Francis Keil & Son 50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95 65%
Coopers 65%
Block 65%
Carriage 65%
Hame 65%
Burrs 65%
American Screw Co.:
Bay State Rivets 75%
Belt with Burrs 65%

Rivet Sets—

Regular list 70%

Rods—

Stair, Brass 25@ 0%
Stair, Black Walnut ₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10& 10@70%
Moore's Acme Barn Door 60%
Moore's Adjustable Stay 55%
Union Barn Door Roller 70%

Rope

Manufacturers' Prices:
Ma'la.7-16in.&larg'r ₩ ℔ 7 c
Manila. 6½in ₩ ℔ 7½c
Manila.¼ and 5-16 in ₩ ℔ 7 c
Man.Hay Rope,Med. ₩ ℔ 8 c
Sisal,7-16 in. & larger ₩ ℔ 5 c
Sisal. ⅜ in ₩ ℔ 5½c
Sisal..¼ and 5-16 in ₩ ℔ 6 c
Sisal, Hay Rope ₩ ℔ 5 c
Sisal,Med.L'the Y'rn ₩ ℔ 4½c
Cotton Rope, Best, ¼ in. and larger ₩ ℔ 12@12½c
Medium, ¼ in. and larger, ₩ ℔ 10c
Common, ¼ in. and larger, ₩ ℔ 8c
Jute Rope ₩ ℔ 5½@6c
} 1% for cash in 10 days.

Rules—

Boxwood...80&10&10&10@80&10&10 &10&5%
Ivory 60&10%
Miscellaneous, Stanley's 60%
Starrett's Rules and Straight Edges, Steel 25&10%

Sad Irons—

From 4 to 10 ₩ ℔ 2@2½c
Self-heating ₩ doz $10.00, 20%
Self-heating,Tailors' ₩ doz $22.50, 25%
Gleason's Shield and Toilet 30%
Enterprise Star Irons 30%
Chinese Laundry:
New England Butt Co. 5½c
New England 5c, 20&10%
Mahony's Troy Pol. Irons 15%
Sensible Pol., ₩ doz $1.00 20%
Nickel ₩ doz. $7.00
National Self-heating 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set $ .75 net.
No. 55, ₩ set. .70 net.
No. 60, ₩ set. .80 net.
No. 65, ₩ set .76 net.
Outfits, No 550, each 2.60 net.
Outfits, No. 556, each 2.45 net.
Colebrookdale Iron Co.:
Crown, Impooved Pol, ₩ doz. $3.50
Nickel ₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper..50&10& 5@5%
Emery Cloth 50&5%
Garnet Paper 30&5%

Sash Chain—

Giant 40%
Monarch 50%
Red Metal 40&10&10%
Steel 40&10&10%
Morton's:
Champion Metal 25%
Steel Cable 25%

Sash Cord—

Common ₩ ℔ 8½@9c
Jute, good quality ₩ ℔ 1.c
White Cotton Braided, fair... ₩ ℔ 2.c@24c
Common Russia Sash. ₩ ℔ 12½c@ 3c
Patent Russia Sash... ₩ ℔ 13½c@14c
Cable Laid Italian Sash ₩ ℔ 22½c@25c
India Hemp Sash..... ₩ ℔ 10½c@ 1c
Silver Lake:
A Quality, White., ₩ ℔ 50c....10%
A Quality, Drab...₩ ℔ 55c....40%
B Quality, White ₩ ℔ .0c, 15&7½%
B Quality, Drab, ₩ ℔ 35c..15 &7½%
C Quality, White (only) 26½c@ 28c
Sylvan Spring
ExtraBraided White ₩ ℔ 33c
Extra Braided Drab ₩ ℔ 33c
Semper Idem, Braided White ₩ ℔ 24c
Samson:
"Mass." White, Cotton 24c
"Samson" Braided White, Cotton ₩ ℔ 30c
"Samson" Braided Drab, Cotton ₩ ℔ 33c
"Samson" Braided Italian Hemp ₩ ℔ 33c
"Samson" Braided Linen, ₩ ℔ 30c

Sash Fasteners, Holders, &c.—

Sash Lifts 60&10&10%
Sash Lifts With Lock 60%
Sash Lifts Flush 60&10%
Shutter Bars 60&10@75&10%
Sash Rollers 66⅔%
Shutter Sheaves 60%
Window Screen Sash Lifts 66⅔%
Motley's Holder, on gross lots, medium size ₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No.2, $8; ₩ gro.33⅓%
Ferguson's 33⅓%
Reading 60&10@65 &10&10
Hammond's Window Springs, A 10&10%
Hammond's Window Springs, B. 50%
Common Sense, Jap'd, Copp'd, and Br'zed ₩ gr $4.00
Common Sense, Nick.P't'd ₩ gr $10.00
Chambers' Gravity 60%
Kempshall's Gravity 60%
Kempshall's Model 60@60&10%
Corbin's Daisy, list Feb. 15, '86 70%
Payson's Perfect 70%
Hugunin's Sash Balances 30&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical" 10%
Ives' Patent....60&10&5@10&10&10%
Davis, Bronze, Barnes Mfg. Co... 0%
Champion Safety 70&5%
Security 70%

Sash Weights—

Ton lots at factory $13.50@$16.00
Small lots at factory... $14.00@$16.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00 20%
Enterprise Mfg. Co. 25%
Silver's 40&10%

Saws—

Disston's Gang 45%
Disston's Circular 45@45&5%
Disston's Cross Cuts 40&10%
Disston's Panel, Hand & Rip 25%
American Saw Co.'s:
Solid Circular 40%
Perforated Circular 20%
Gang, Drag & Mill 40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated 30c. ₩ foot
Woodrough & McParlin Cross Cuts 45&10%
Hand Panel and Rip 25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws 25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.25@25&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill, 4 @45&5%
Richardson X Cuts 45&10%
Richardson Hand-saws....25@2 &5%
Haines' Needle Point 40%
Atkin's Circular 50&10%
Atkin's Band 50&10%
Atkin's Cross Cut 40%
Atkin's Wood 40%
Atkin's Hand 40%
Atkin's Butcher, Pruning and Compass 40%
Star Saw Blades 25%
Star Bracket 25%

HACK SAWS—

Griffin's complete' 40&10@50%
Griffin's Hack Saw and Blades, 40&1 @50%
Chatillon 30%
Butchers 25%
Star Butcher 25@25&10%

Saw Frames—

Star Hack 25%
White Vermont..₩ gro. .$9.00@$9.50
Red, Polished and Varnished...₩ doz., $1.50 25%
C. E. Jennings & Co. 30%
Richardson's Wood net
Wm. Johnson's Turning Cabinet 40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 5@55&10%
Common Lever ₩ doz., $2.00, 4 @50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00 40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00 40&20%
Perfect Saw Jointer 33⅓%
Leach's No. 0, $8.00; No. 1, $15.00.. 33⅓@25%
Cunningham Band 15%
Automatic 25%
Nash's 20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat 45%
Bemis & Call Co.'s Spring Hammer 30&5%
Bemis & Call Co.'s Plate 20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever 20%
Disston's Star, $9.00, No. 15, $5.50 2@25&10%
Richardson's 25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00 40&10@50%
Avery's Saw Set and Punch 50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".. ₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold 40&10@50%
King's 33⅓%
Keller's 40&10%
Wm. Johnson's:
Hammer 60&5%
Lever, 3 kinds 45%
Wheeler's Patent 60%

Scales—

Union Platform Plain...$2.00@$2.10
Union Platform Striped.$2.15@$2.25
Chatillon's Grocers' Trip Scales..50%
Chatillon's Eureka 25%
Chatillon's Favorite 40%
Family, Turnbull's 30@30&10%
Riehle Bros.' Platform...40@47 &10%
Brittan Graham & Mathes 50%

Scale Beams—

Scale Beams, List Jan. 12, '92..50& 10@50&10&10%
Chatillon's No. 1 40%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00 40&10%
Box, 1 Handle ₩ doz.. $2.00
Box, 3 Handle... ₩ doz., $3.00@$4.00
Defiance Box & Ship 20&10%
Foot 55&5@60&5%
Ship Common ₩ doz., $2.40 net
Ship, R. I. Tool. Co. 10%

Screens—

Phillips:
Bonanza Screens 60%
Perfection Screens 60%
Extension 50&10&5%
Flyer 50&10%
Window Screen Frames 60&5%

Screen Doors—

Phillips:
Stained 50&10%
Painted 50&5%
Fancy Pine 15%
Empire Fancy 30&35%
Standard Oil 35&40%

Screw Drivers—

C. E. Jennings & Co. 40%
Einwachters "Challenge" 50%
Millers Falls Automatic 25%
Millers Falls Ratchet 25%
Millers Falls Duplex 25%
Disston's 5@50&10
Disston's Pat. Excelsior 50&5%
Buck Bros. 30%
C.T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles. 60&10%
No. 88. 70&10%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20, 40 and 60 50&10@50&10&5%
French's Beech, Round 70%
French's Beech, Flat 75%
French's Ebony, Round 60%
French's Ebony, Flat 70%
N. E. Specialty Co.'s 50%
Electric Spiral 50%
Gay & Parsons 35%
Champion 40@40&10%
Clark's Pat. 33⅓@40%
Ellrich's Socket and Ratchet.40&10%
Howard-Allard ....50&10@50&10&5%
Rapid Spiral 33⅓%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits,Parr's ₩ gro.$6.25
Frary's Hol. Hdle. Sets, No. 2, $12.45%
Hercules 70%
P. D. & Co.'s all Steel 50%
Brace Screw-Drivers 25&10%
P. S. & W 70%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 27½&5%
"Handy" Ratchet 25%
Champion 33⅓%
Copeland 25@25&10%
Brace 25&10%
Williamson's:
Gem, ₩ doz. ..90c } 50%
Beauty, ₩ doz. ..$1.00 }
Wm. Johnson's:
135 A 70&10%
135½ Extra 70%
138 Ebonized Handle 70%
141½ 75%
142 Ebonized Handle 70%

Screws—

WOOD SCREWS—List, Oct. 9 '95.
Bright Flat Head Iron 82½%
Br't R'd & Oval Head Iron 75%
Nickel Plated, Flat Head 75%
Nickel Plated, Round Head 72½%
Silver Plated, Flat Head 50%
Silver Plated, Round Head 50%
Flat Head Brass 82½%
Round Head Brass 75%
Flat Head Bronze 82½&10%
R'd and Ovel Head Bronze..80&10%
Phosphor Bronze, Flat Head 60%
Phosphor Bronze, Round Head..55%
Flat Head Copper 60%
Round Head Copper 60%
Rogers Drive Screws 87½%

MACHINE—

Flat Head, Iron 45%
Round Head, Iron 40%
Brass, Flat Head 45%
Brass, Round Head 40%

BENCH, HAND, ETC.—

Bench, Iron 70%
Bench, Wood, Beech ₩ doz $2.25
Hand, Wood 25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1890. 75& 2 %
Coach list Jan. 30, '95 75&17½%
Bed 50&10%
Hand Rail, Sargent's. 70&10@70&10&10%
Hand Rail, H.& B.Mfg.Co..75@75&5%
Hand Rail Am. Screw Co. 80%
Jack Screws, Millers Falls, Roller Bearing 50&10%
Jack Screws, Millers Falls, without Roller Bearing 50&10&10%
Jack Screws, P. S. & W 35%
Jack Screws, Sargent's. 70&10@70&10&10%
Jack Screws, Stearns' 40&10%
Piano Stool 60&10%
Chair 60&10%

Scroll Saws—

C. E. Jennings & Co. 25%
Lester, complete, $10.00 25%
Rogers, complete, $4.00 25%
Barnes' No. 1, $8; No. 6, $10; No 7, $15 25%
Barnes Scroll Saw Blades 35%

Scythes—

Grain 50@50&10%
Grass 50&10@60%

Seeders—

Enterprise Raisin 25%

Shears—

Ætna, Steel Japanned 30&20%
Ætna, Steel Nickeled 70&20%
Davenport Cutlery Co.'s 60@60&10
American (Cast) Iron..75&10@50&5%
Barnard's Lamp Trim'rs ₩ doz. $3.75
Tinners' 20&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears 33⅓%
Clauss' Brand, Nickel 60% Japanned 70%
Pruning,See Pr'ning H'ks& Shears.
Campbell Cutlery Co.'s, Jap 75% Nickel 65%
Campbell Cutlery Co.'s Scissors List net

Sheaves—

SLIDING DOOR—

M.W. Co., list July, 1889 50&10@60&5%
R. & E., list August 15, 1895 60%
Corbin's list 60&10&25%
Patent Roller 60&10&25%
Patent Roller, Hatfield's 75%
Russell's Anti-Friction, list Dec. 18, 1885 60&25%
Moore's Anti-Friction 50%
Hatfield Sheaves 30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s 60%
Sargent's list 70%
Reading list 65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Boss, from jobbers....$3.15@$3 40
Bryden's Frog Pressure $4 00
Perkins Steel Side Weight Hind $3 15 @$3 40
Perkins Improved Snow ₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots ₩ ℔ 9c
1000 ℔ lots ₩ ℔ 9½c
500 ℔ lots ₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c. 30%
Griffith's Black Iron 50&10
Griffith's C. S. 60@60&10%
Griffith's Solid C. S. R. R. Goods. 30%
Old Colony (Sanford Fork & Tool Co) 35%
St. Louis Shovel Co. 30@30&7½%
Hussey, Binns & Co. 15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co. 30&10%
Payne, Pettebone & Son, list Jan., 1886 30%
Rowland's Black Iron 60&5%
Rowland's Steel 60&10&5%

Shovels and Tongs—

Iron Head 60&10@60&10&5%
Brass Head 60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $18@ 3.50

Slaw Cutters—

Enterprise 25%

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Slicers—
Enterprise Vegetable. 25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....60%
Sargent's Patent Guarded, ⅞ & 10&11 @70&10&10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German, new list.....40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert Mfg. Co.....45&2@50%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps.....40&5%

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.).....50&10%
Seymour Smith & Sons, Iron.....30%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 15&10 @30%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%
Buffalo S. S. & Co.....33⅓&25%
B. B. Noyes Meat Forks..50&10@60%

SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40&15&5%
L. Boardman & Son.....50&12½&
MISCELLANEOUS—
German Silver.....50&10%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....6% &6%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....6% &10%
Boardman's Nickel Silver50&7½&5%
Boardman's Britannia Spoons, case lots.....60&10% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....
Nickel-Plated.....75&1 @80%
Try Square and T Bevels.....10&10&10%
Disston Try Square and T Bevels, 5@50&10%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....30&25&10%
Extra Heavy.....30%
Hooks and Staples.....30&25&10%
Extra Heavy.....30%
Hasps and Staples.....30&25&10%
Extra Heavy.....30%
Staples on Plates.....30&25&10%
Wagon Bow Staples....30&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—½ inch and larger ₩ lb.....7c@7½c
Barbed Blind—¾ inch, ₩ lb..8c@8½c
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....30&10%
Norway Iron Clinch.....30&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....8⅓
Butterfield's Goods.....33⅓
Lightning Screw Plate.....25@30%
Reece's New Screw Plates....25@30%
Reversible Ratchet.....50%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stove.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American.....66⅔%
Steel.....66⅔%
Swedes, S. S.....66⅔%
Swedes, Lanc.....62½%
Leathered.....33⅓%
American Cut Tacks.....62½%
Swedes Iron Tacks:
S. S.....62½%
Lanc.....57½%
Upholsterers' Tacks:
S. S.....66⅔%
Lanc.....62½%
Gimp Tacks:
S. S.....66⅔%
Lanc.....62½%
Lace Tacks:
S. S.....62½%
Lanc.....57½%
Trimmers' Tacks:
S. S.....55%
Lanc.....50%
Looking Glass Tacks.....33⅓%
Picture Frame Points.....33⅓%
Basket Tacks.....62½%
Berry Box Tacks.....62½%
Trunk Tacks:
S. S.....66⅔%
Lanc.....62½%
Miners' Tacks, S. S.....66⅔%
Bill Posters' and Railroad Tacks:
S. S.....66⅔%
Lanc.....62½%
Brush Tacks and Nails:
S. S.....55%
Lanc.....5 %
Hungarian Nails.....57½%
Common and Patent Brads.....50%
Finishing Nails.....57½%
Trunk and Clout Nails.....57½%
Basket Nails.....
Chair Nails.....45%
Cigar Box Nails.....45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓&2% cash.
F. H. Cobbler Nails:
4-4-8in., and shorter, ₩ 100 lb $1.60
⅝ in. and longer, ₩ 100 lb....$1.90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No 18 & 19.	17 & heavier.
2-8&2¼-8 in.	$64 90	$44 00
3-8&3¼-8 in.	55.50	3 00
4-8& longer,	44 50	36.10

MISCELLANEOUS—
Double Point.....85&10@85&10&5%
Wire Carpet Nails.....80&10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₩ box $1.40
Claw Handle Carpet.....₩ gr $4.00
Home Tacks, No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 5%&2%.
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&2%
Miniature Keg Tacks..66⅔&33⅓&2%
Upholsterers' Nails.....50&10%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Tin, Perforated—
Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$..80	$1 30
5	$7.25	$1.20
5½	$ .25	$1. 0
6	$6.96	$1 15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Trammel Points—
Cook's.....25%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T..$3 50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft.....09
Single Rail Steel Track with clamps, ₩ ft.....09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz., ...$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Floor Hooks, ¾ in. ₩ doz.....65
Hanging Hooks for Double Steel Track, ₩ doz.....60
Hanging Hooks for Single Steel Track, ₩ doz.....60
Hanging Hooks for Wood Track, 10 in. ₩ doz.....45
Hanging Hooks for Wood Track, 14 in. ₩ doz.....55
Wrought Rafter Brackets, ₩ doz.....45
Malleable Rafter Brackets, ₩ doz.....45
Rope Hitch. ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida Pattern.....75&5@75&10%
Newhouse.....40&10@50&5%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....50&10@.0%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 8@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire. ₩ doz $1.50, 10%
Mouse, Cage, Wire..₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50,15%
Mouse, Bonanza....₩ doz 90c@$1.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₩ doz. 65c.; in full cases.....60c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross, $12.50
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat.....₩ gross $15.00
Household.....₩ gr $10.00
Erie Rat.....50%
FLY—
Balloon, ₩ doz $1.50.....₩ gr. $12 50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..25 @25&10%
Peace's Plastering.....20@25&5%
W. & McP. Plastering.....25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30@33⅓%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
solid Box.....50&10@60%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@40&10%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Massey's Quick Action.....20@25%
Bonney's.....50@50&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....70&10@70&10&10%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15.00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....30&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.00@$7.50
American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving 4½ ft., $ 8.00; 5 ft., $2.00; 5½ ft., $2.00; 6 ft., $24.00; 6½ ft., $27. 0; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $38.00.
Eureka, Two-thirds Whalebone, 4½ ft., $15.00; 6 f., $ 6.50; 6½ f., $..00; 7 ft., $2..00.
Bull Bone, Half-length Whalebone, 4½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00; 6 f., $8.50; 6½ ft., $9.50; 6 ft., $ 0.5 ; 6½ ft., $12.00; 7 ft., $ 3.5 ; 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $ .00; 6 ft., $5.00; 6½ ft., $5.50; 6 f., $7.00; 6½ ft., $7..0; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors.....6 ft., $6.00
American, Pen Whip, 6 ft., $9.00
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 116 6 ft.....$5.00
Hand-Made Stocked Java, No. 108.....6½ ft., $3.75; 6 ft., $4.00
Team Whips....₩ doz $2.0 @$7 50

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos.0 to 18, 7f&10@ 80%
Cop'd, Nos. 0 to 18, 7f & @7 &5&5%
Galv., Nos. 0 to 18..... 7f & @75%
Tin'd, Tinned list Nos. 0 to 18..75 &@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb..... 4½c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 5 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass.....30@30&5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 20, ₩ lb..... 6 @7c
Tate's Wire Picture Cord Braided and Twisted.....8 @10&10%
Picture Wire.....New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.3 @$ .40
Galvanized Wire Netting....30&10 @35 &3½%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List.
Iron.....20&2½%
Iron, Galvanized.....20&2½%
Cast-steel.....30&5 ½.

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....6 @6 &5%
Nickel.....0% @ 0%
Heavy.....0%
Alligator.....60&10%
Hercules.....70%
American Adjustable.....4 @ 6&10%
Armstrong's.....40%
Baxter's Adjustable "S" 7 @7 & 0%
Baxter's Diagonal.....8 @8&10%
Coes' Genuine.....5 & @ & 0%
Coes' "Mechanics'".....50&10 @ 0%
Girard Standard.....6 & @ 0%
Lamson & Sessions' Engineers'.....10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Saltison Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... .. 40%
Bemis & Call's:
Patent Combination Black 40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $2 8 @3.60 60%
Boardman's.....33⅓%
Always Ready.....33⅓&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%

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Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓&5%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co, list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2
Peerless Mfg. Co., list Feb, 1892...2%
National Wringer & Mfg. Co, list Jan. 1, 1895.....2%
NOTE.—On lots of 1 dozen a discount of 10 is often given.

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ℔ gal. 42c
Linseed. City, Boiled, " ℔ gal. 45c
Out of Town on Spot.....℔ gal. 40c
Calcutta, Raw, in bbls....℔ gal. 47c
Lard, Prime City.....℔ gal. 50@51
Western, Prime.....50-51
Extra, No. 1.....40@41
No. 1.....37@39
No. 2.....33@35

Paints and Colors—
Barytes, Prime White. ℔ ton, $14.00@$17.00
Barytes, Foreign Floated, ℔ ton, $15.00@$18.00
Barytes, Domestic Floated, ℔ ton $22.00@$23,00
Barytes, Off Color, ℔ ton, $10.00@$13.00
White Lead, American, Dry, ℔ ℔ 4½@5¾c
White Lead, American, in Oil, ℔ ℔.....5½@5¾c
White Lead, English, in Oil, ℔ ℔ 5½@6¼c
Litharge, American Powdered, ℔ ℔.....4¾@5½c
Litharge, English Flake, ℔ ℔ 7¼@8 c
Litharge, Glassmakers', ℔ ℔ 4¾@5½c
Zinc, American, Extra Dry, ℔ ℔ 3¾@4¼c

Putty—
Putty in Bulk.....$1.45@$1.75
Putty in Bladders.....$1.65@$2.00
Putty in Tins.....$2.00@$2.50

Spirits Turpentine—
Spirits Turpentine, ℔ gal..28@28½c

Dry Colors
Blue, Chinese .....℔ ℔ 35 @40 c
Blue Prussian.....℔ ℔ 30 @35 c
Blue, Ultramarine..℔ ℔ 7 @25 c
Brown, Sienna, American, burnt.....℔ ℔ 1¼@ 1½c
Brown, Sienna, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Umber, American burnt.....℔ ℔ 1¼@ 1½c
Brown, Umber, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Vandyke German .....℔ ℔ 2¾@ 5¾c
Brown, Vandyke, American.....℔ ℔ 1¾@ 2½c
Green, Chrome, Common.....℔ ℔ 5 @ 6 c
Green, Paris.....℔ ℔ 20 @30 c
Indian Red, Standard, American....℔ ℔ 2 @ 3 c
Venetian Red, English Prime..... ...℔ ℔ $1.75@$1.90
Yellrw, Chrome.....℔ ℔ 16 @25 c
Yellow, Ocher. Fre'ch ℔ ℔ 1 @ 1¾c

Colors in Oil—
Black Coach Japan ℔ ℔..18½@20 c
Black Coach Japan in Oil.....℔ ℔ 12 @13 c
Black Drop .....℔ ℔ 7½@10 c
Black Lampblack, prime, ℔ ℔ 27 @33 c
Black Lampblack, medium..... ...℔ ℔ 15 @20 c
Black Lampblack, 2d quality..... ....℔ ℔ 13 @19
Black, Lampblack, low grade..... ....℔ ℔ 6½@10 c
Blue, Chinese .....℔ ℔ 35 @40 c
Blue, Prussian .....℔ ℔ 20 @40 c
Blue, Ultramarine..℔ ℔ 12 @1 c
Brown, Sienna bur't ℔ ℔ 7 @10 c
Brown, Sienna, raw. ℔ ℔ 7 @10 c
Brown, Umber, bur't ℔ ℔ 7 @10 c
Brown, Umber raw .℔ ℔ 7 @10 c
Brown, Vandyke.....℔ ℔ 7 @11 c
Green, Chrome.....℔ ℔ 8 @14 c
Green, Paris... .....℔ ℔ 16 @1½c
Red, Indian.....℔ ℔ 12 @15 c
Red, Venetian.....℔ ℔ 4½@ 8 c
Yellow, Chrome.....℔ ℔ 13 @18 c
Yellow, Ocher, Fre'ch ℔ ℔ 4½ c



Don't Your Jobber Keep This Damper?

"WELL"

If he don't, send to us and we will give you the name of one who do and will be glad to do Business with

YOU

We don't want any one to get left on a Good Thing.

TROY NICKEL WORKS,

TROY, N. Y.

Makers of Alaska Stove Trimmings.

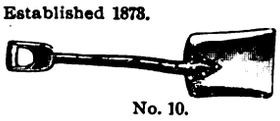


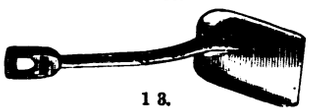
ORIGINATORS

ALASKA

STOVE HARDWARE

Established 1873.


No. 10.


1 8.

THE WYOMING SHOVEL WORKS,

MANUFACTURERS OF

Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.

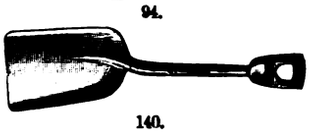
Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.

Office, WYOMING, PA. Works.

Catalogues furnished on application

Incorporated June 29, 1893.

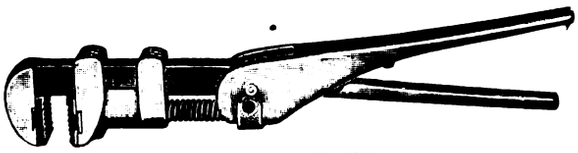

94.


140.

This Wrench



Is becoming a

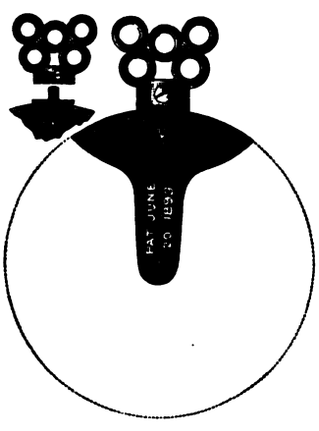


general favorite among Steam-Fitters, Jobbers and Plumbers.

—MANUFACTURED BY—

Wright Wrench Co.,

28 Bellevue St., Worcester, Mass.



COLUMBIA DAMPER CLIP.

Simplest, Best, Cheapest.

Cannot be put together wrong.

TRILBY OIL HEATER.

Best, Largest, Cheapest.

THREE STYLES.

Gas Heater Unequalled in Appearance and Utility.

MANUFACTURED MICA GOODS OF ALL KINDS.

BEST AND CHEAPEST OYSTER KNIVES IN THE MARKET.

GEO. T. MOE & CO.,

52 N. Second Street, Philadelphia, Pa.

HALL'S IMPROVED PIPE WRENCH.

DO YOU SAY that this wrench will crush or cut the pipe? It will, and so will ANY PIPE WRENCH if you don't know how to use it. The principal cause of Pipe Wrenches crushing or cutting the pipe is because the GRIPPING POINTS ARE DULL.

THIS WRENCH if kept sharp



will grip high on the pipe, and you can screw a pipe so tight that it will open a malleable fitting, and strip the thread, WITHOUT CRUSHING OR CUTTING THE PIPE.

You can sharpen THIS WRENCH IN A FEW MINUTES on a grindstone or emery wheel WITHOUT TAKING IT APART.

It is impossible to LOCK OR WEDGE THIS WRENCH on the pipe.

It will COST LESS FOR REPAIRS than any other Pipe Wrench.

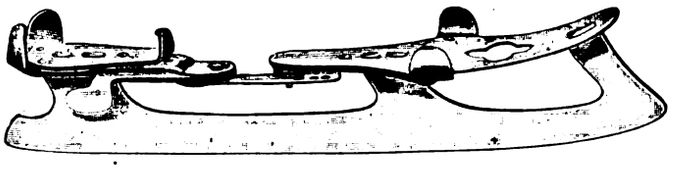
IT IS THE BEST SCREW WRENCH, as it is stronger than any other, and by pulling the reverse way it will grip a nut or fitting and WILL NOT SLIP.

It is DROP-FORGED from TOOL STEEL.

Sam'l Hall's Son,

229 West 10th St., New York.

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Worcester, Mass., October 1st, 1895.

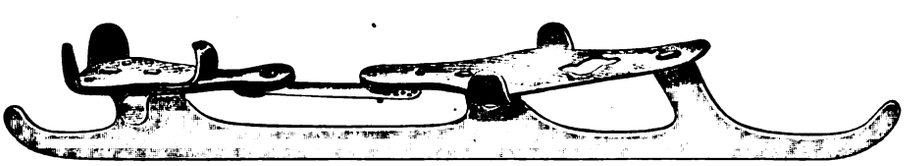
TO ICE SKATE BUYERS:

We have a great success in our new adjustment for Ice Skates. Jobbers and retailers have recognized the merit of our goods, and our sales have been very large.

Traveling representatives of a competing ice skate manufacturer have recently been guilty of a systematic effort to sell their ice skates by willfully misrepresenting our new adjustment. So great has been their distress that they have tampered with our patent adjustment in such a way as to impair the working of the skate. Under these conditions they have shown our goods for the purpose of selling their own.

We have a well tried and carefully constructed ice skate adjustment, which marks an advance in skate making, and we guarantee our stock.

THE SAMUEL WINSLOW SKATE M'F'G CO.



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Perforated Filter Press Plates.

THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

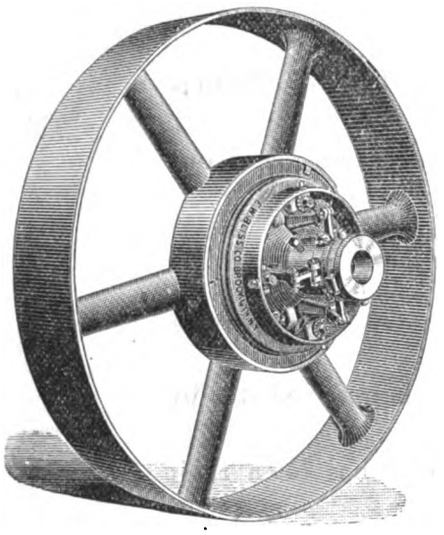
PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, 222 to 240 No. Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.

CHICAGO OFFICE, 96 W WASHINGTON ST. **E. W. BLISS CO.,** 18 ADAMS ST., BROOKLYN, N.Y.



PRESSES, DIES AND SPECIAL MACHINERY.

FOR

ALL KINDS OF

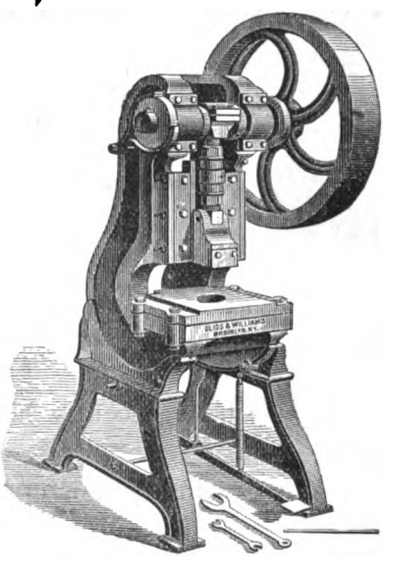
SHEET METAL WORK

MAKERS OF THE

BLISS PATENT TOGGLE DRAWING PRESSES.

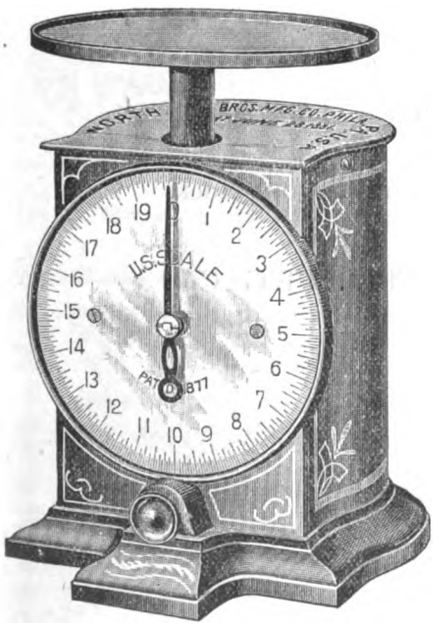
A NEW FRICTION CLUTCH.

SEND FOR CATALOGUE.



—OWNERS OF—

THE STILES & PARKER PRESS CO.



U. S. DIAL SCALES

WILL BE WANTED DURING SEASON FOR CANNING AND PRESERVING, TO WEIGH FRUIT, SUGAR, ETC.

HAVE YOU THEM IN STOCK?

USEFUL IN KITCHEN, ALL THE YEAR ROUND,

FOR WEIGHING ALL SORTS OF THINGS.

Manufactured by

North Bros. Mfg. Co., Philadelphia, Pa.

New York Agents: John H. Graham & Co., 113 Chambers St.

ALLENTOWN HARDWARE WORKS,

Manufacturers of Locks, Butts, Knobs, General Builders' Hardware, etc. Electro, Brass, Silver, Bronze and Nickel Plating, House Door Trimmings, Sash Locks, Sash Pulleys, Casters, High Grade, Light Gray Iron Castings, Soft, Smooth and Easily Drilled. Patented Articles a Specialty. Superior Quality. Estimates furnished on application from drawings and specifications. Bronze, Brass and Composition Castings. Japanning, Metal Art Work, Common Iron Castings made to order at short notice. Give us a trial. Also manufacturers of

REFRIGERATOR LOCKS AND TRIMMINGS,

Of new, beautiful design, finish and of the latest pattern.

Factories and P. O. address,

ALLENTOWN, PA.

We are Agents FOR NUMYR NOZZLES, the most novel, unique and serviceable. Do not clog and can be varied from a solid stream to a fine spray. Sell at sight. Try them.

HARVEY HUBBELL,
Machinery and Tool Mfr.
Improved Tapping Machines.

SCREWS

Machine screws for electrical purposes. Sample box free.

BRIDGEPORT, CONN.

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Scovill Mfg. Co., Waterbury, Conn.

Annunciators.
Partrick & Carter Co, Philadelphia, Pa.

Anti-Friction Metal.
Theo. Hierts & Son, St. Louis, Mo.
Magnolia Metal Co., New York.

Anvils
Van Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Alfred Field & Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
Iver Johnson's Arms & Cycle Works, Fitchburg, Mass.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
Union Metallic Cartridge Co., Bridgeport Conn.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

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Kilmer Mfg. Co, Newburgh, N. Y.

Barb Wire.
Kilmer Mfg. Co., Newburgh N. Y.

Baths, Portable.
Crane Bros., Westfield, Mass.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
John H. Graham & Co., New York.
New Departure Bell Co., Bristol, Ct.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Bridgeport Gun Implement Co., New York.
Cushman & Denison, New York.
W. & B. Douglas, Middletown, Conn., (Pneumatic Pumps).
Iver Johnson's Arms & Cycle Works, Fitchburg, Mass.
New York Belting & Packing Co., Ltd., New York.
Overman Wheel Co., Boston, New York, Detroit, Denver, San Francisco, Los Angeles, Portland.
Pope Mfg. Co., Boston.
Wm. Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rouse, Hazard & Co., Peoria, Ill.
J. R. Schuyler, Bloomsburg, Pa.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Bicycle Step Ladders.
Bicycle Step Ladder Co. Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.
Scovill Mfg. Co., Waterbury, Conn.

Brass, Manufacturers.
Waterbury Brass Co., New York

Brass, Perforated.
Harrington & King Perforating Co., Chicago.

Buffing Wheels
Divine Bros., Chadwicks, N. Y.

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Russell & Erwin Mfg. Co., New York.
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Sargent & Co, New York and New Haven, Conn.
Stanley Works, New Britain, Ct.

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John Chatillon & Sons, New York.

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Reading Hardware Co., Reading, Pa.

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Geuder & Paeschke Co., Milwaukee, Wis.

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Bissell Carpet Sweeper Co., Grand Rapids, Mich; New York.

Casters.
Gwinner Mfg Co., Hamilton, O.

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S. Cheney & Son, Manlius, N. Y.

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Rome Brass & Copper Co., Rome, N. Y.

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Buckeye Churn Co., Sidney, Ohio.

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Wallace Barnes, Bristol, Conn.

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Berry Sprinkler Co., Boston.

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Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co, Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.
Meriden Malleable Iron Co, Meriden, Conn.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Goodell Co, Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
Wm. Schollhorn Co., New Haven, Conn.
J. Wiss & Sons, Newark, N. J.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Damper Clips.
Geo. T. Moe & Co., Philadelphia,

Dies.
E. W. Bliss Co, Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co, Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
J. Bardsley, New York
John Chatillon & Sons, New York
Norton Door-Check & Spring Co., Boston.
Russell & Erwin Mfg Co., New York.
Sargent & Co., New York and New Haven, Conn.

Door Knobs, Wood.
J. Bardsley, New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Partrick & Carter Co., Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.
Sterling Emery Wheel Mfg. Co. Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York.

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.

Filter, Water.
J. H. Seed, New York.
F. H. Weeks, Akron, Ohio.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Folding Plant Stands.
M. D. Jones & Co., Boston.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garbage Carbonizer.
W. F. Morse & Co., New York.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gate Hinges, Latches, etc.
Wrightsville Hardware Co., Wrightsville, Pa.

Gears.
T. F. Welch & Co., Boston.

German Silver.
Scovill Mfg Co., Waterbury, Conn.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y, Phila., Boston and Chicago.
A. W. Dodd & Co., Gloucestre, Mass.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland,

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammocks.
Bruce R. Ware & Co., Boston.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Sargent & Co., New York and New Haven Conn.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
Arcade Mfg. Co. Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Diamond Cutlery Co., New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co, Hamilton, O.
T. W. Houchin, New York.
Klages & Co., New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Sargent & Co., New York and New Haven, Conn.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Boston.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Nozzles.
Allentown Hardware Works, Allentown, Pa.
American Ball Nozzle Co., New York, San Francisco.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Husking Goods
Blair Husking Glove Co., Bucyrus, Ohio.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co, Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Diamond Cutlery Co., New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Geo. T. Moe & Co, Philadelphia.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
American Lead Pencil Co., New York
Jos. Dixon Crucible Co., Jersey City, N. J.

Lemon Squeezers.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co, Norwalk, Conn.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mica Goods.
Geo. T. Moe & Co., Philadelphia.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston
Bruce & Cook, New York.
Rockford Tack Co, Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Fencing.
Kilmer Mfg. Co., Newburgh, N. Y.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Planes.
Samuel I Goodall Co., Philadelphia
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Leavett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co, New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co, New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co, Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Bellevue Pump Co., Bellevue, Ia.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co, Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Radiators.
Wilmot Castle & Co., Rochester, N. Y.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

Rakes.
Ashtabula Tool Co, Ashtabula, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Repair Outfits,
Root Bros. Co, Plymouth, O.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Blake & Johnson, Waterbury, Conn.
Bruce & Cook, New York.
Clark & Cowles Plainville, Conn.

Roller Skates
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd, New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co, Philadelphia.

Sample Holders.
Massey & Thompson, Monroe City, Mo.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden Mass.
Bruce R. Ware & Co., Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
American Saw Co., Newton, N. J.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
Millers Falls Co., New York.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.
Eastman & Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Klages & Co., New York.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.
Wyoming Shovel Works, Wyoming, Pa.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
A. G. Spalding & Bro., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleigh Bells.
Chapman Mfg. Co., Meriden, Ct.

Snow Guards.
Folsom Snow Guard Co., Boston.

Snow Shovels.
A. J. Phillips Co., Fenton Mich.

Solder.
Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
J. Bardsley, New York.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Steel
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoneware.
F. H. Weeks, Akron, O.

Stove Pipe.
Geauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack and Nail Machines.
Kimbal Bros. & Co., Boston.

Tapes.
Boston Tape Mfg. Co., Boston.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O.
E. C. Atkins & Co., Indianapolis, Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Philadelphia.
Samuel I. Goodall Co., Philadelphia.
Th. M. Hass, New York.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.
Ward & Gilmore, Le Roy, N. Y.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Twines.
Bruce R. Ware & Co., Boston.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N.Y
Charles Morrill, New York.

Washers.
Klages & Co., New York.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches.
Robert H. Ingersoll & Bro., New York.

Wheelbarrows.
Bryan Mfg. Co., Bryan, Ohio.
Toledo Wheelbarrow Works, Toledo, O.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Window Screens.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.

Wire, Manufacturers.
American Wire Co., Cleveland, O.
Bruce & Cook, New York.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Kilmer Mfg. Co., Newburgh, N. Y.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
M. D. Jones & Co., Boston.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
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Wire Staples.
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Wrought Butts.
Reading Hardware Co., Reading Pa.

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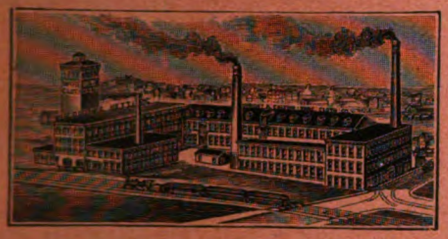
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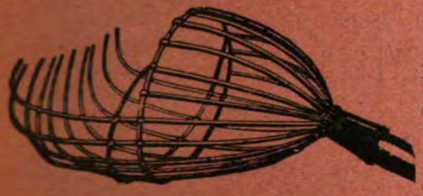
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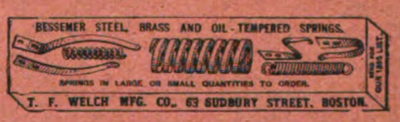
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HARDWARE EXCLUSIVELY.

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VOL. XII. No. 3. New York, November 10, 1895. $1.00 A YEAR



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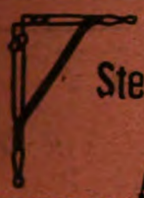
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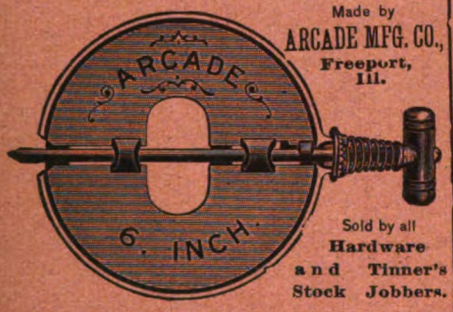
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Wire Straightened and Cut to length.



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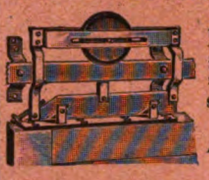
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NO BREAKAGE.

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Hanger is made of steel throughout, including wheel, except interior filling which deadens the sound.

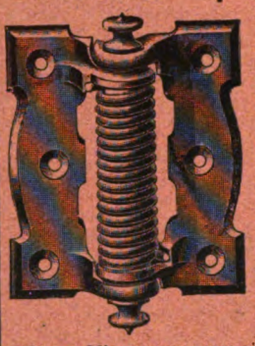
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F. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.

WILLIAMSON'S
NEW POWER CORK SCREW



WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:

KEEP ON TURNING, DO NOT PULL.

No. 1243. Nickel Plated, Applewood Handle.....$5.00 per doz.
" 1443 " " Rosewood " .....$7.50 " "

For Discounts and other Styles send for Catalogue.

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Manufacturers of Wire Specialties for the Trade.

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ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded **ORANGE RIFLE EXTRA.**

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so-called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

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In buying Shells for shot guns, ask for those loaded with "ORANGE EXTRA."

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Iron & Steel Cut Nails

STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

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GUNPOWDER.

Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

Du Pont's Eagle Ducking.
Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

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A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

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Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

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Of a quality to meet requirements of U. S. Army and Navy.

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Best Anti-Friction Metal for all machinery bearings. For high speed and heavy crushing weight it has no equal. It is used on bearings where no other metal will stand.

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All grades Babbitt Metals, Solder, Bar Tin, Bar Lead, Lead Car Seals, etc.

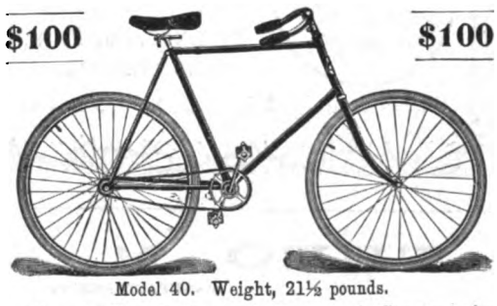




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$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction.
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If you want Rubber goods for any conceivable mechanical purpose,

write to { Cleveland Rubber Works, Of the Mechanical Rubber Co., Cleveland, Ohio, U. S. A.

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REPAUNO CHEMICAL CO.,

MANUFACTURERS

ATLAS AND JUDSON POWDERS

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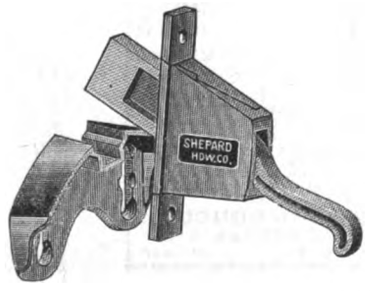
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Our High Explosives are Standard and Guaranteed to run Uniform.

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"THEY TAKE THEM ON SIGHT."



That's how a large Hardware dealer describes the appreciation of his customers in regard to our **Gate Hinges** and **Latches, Blind** and **Shutter Hinges,** and **Frame Pulleys** of the **"Original" Clark** and other patterns formerly sold by the **Shepard Hardware Co.,** of Buffalo, N. Y., whose business in these lines we have acquired by purchase.

☞We are the SOLE Manufacturers.

THE WRIGHTSVILLE HARDWARE CO., - - WRIGHTSVILLE, PA.



SURE ...TO PAN OUT.

The Excelsior Roasting and Baking Pan makes money for every dealer who handles it. To show it is to sell it, because its merits speak for themselves.

The **Excelsior Pan** is made of Planished and Plain Steel in seven sizes.

SUITS EVERYONE. WRITE FOR PRICES.

Barber-Koenig Mfg. Co., No 115 N Vine St., HAZELTON, PA.

HALL'S IMPROVED PIPE WRENCH.

DO YOU SAY that this wrench will crush or cut the pipe? IT WILL NOT if you know how to use it. The principal cause of Pipe Wrenches crushing or cutting the pipe is because the GRIPPING POINTS ARE DULL.

You can sharpen THIS WRENCH IN A FEW MINUTES on a



grindstone or emery wheel WITHOUT TAKING IT APART.

THIS WRENCH if kept sharp will grip high on the pipe, and you can screw a pipe so tight that it will open a malleable fitting, and strip the thread, WITHOUT CRUSHING OR CUTTING THE PIPE.

It is impossible to LOCK OR WEDGE THIS WRENCH on the pipe.

It will COST LESS FOR REPAIRS than any other Pipe Wrench.



IT IS THE BEST SCREW WRENCH, as it is stronger than any other, and by pulling the reverse way it will grip a nut or fitting and WILL NOT SLIP.

It is DROP-FORGED from TOOL STEEL.

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229 West 10th St., New York.

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MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. Dies and Tools.

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—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

——Orders Solicited.——

Prices and terms quoted promptly on application.

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IT TAKES A PULL

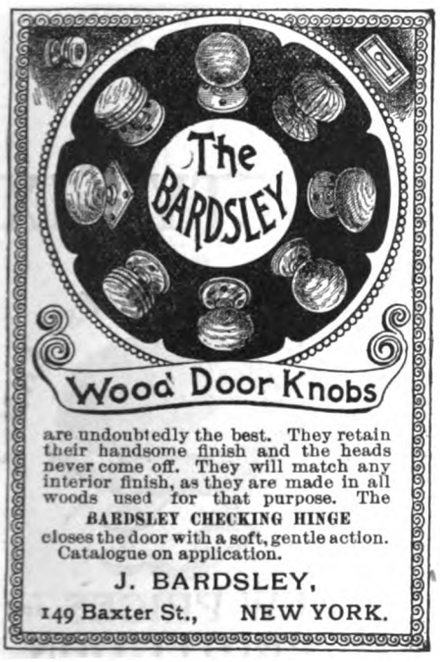
to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, **15 Park Row, New York.**



Wood Door Knobs

are undoubtedly the best. They retain their handsome finish and the heads never come off. They will match any interior finish, as they are made in all woods used for that purpose. The

BARDSLEY CHECKING HINGE

closes the door with a soft, gentle action. Catalogue on application.

J. BARDSLEY,

149 Baxter St., NEW YORK.

"THE BALL DOES IT ALL!"



No. 6. ¾ inch. Ball Nozzle Lawn Sprinkler.

NO Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . .

A PORTABLE and BEAUTIFUL FOUNTAIN.

THE GREAT BALL NOZZLE.



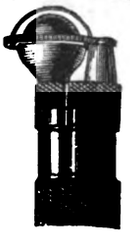
No. 5. ¾ inch Ball Nozzle.

For Fountains and Trees

WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



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NATURE SERVES MAN IN A MYSTERIOUS WAY! WHY DOES THE BALL REMAIN AGAINST PRESSURE?

Send for Catalogue.

BALL NOZZLE MANUFACTURED SOLELY BY

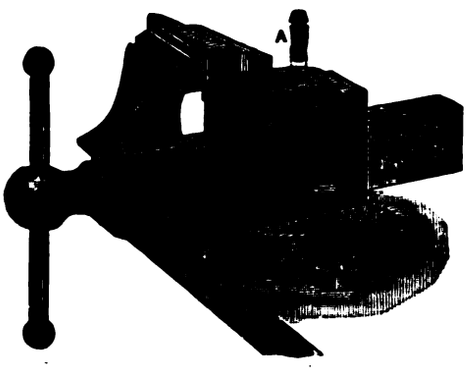
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837-847 BROADWAY, NEW YORK.

Branch House:—325 SUTTER ST., SAN FRANCISCO, CAL.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

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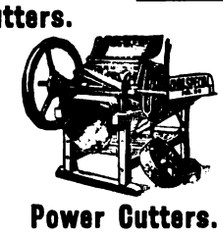
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Ohio Line Feed Cutters.



Horse Powers Engines, Feed Mills and Steam Cookers.

Hand Cutters.



Power Cutters.



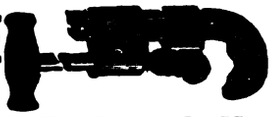
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WRITE FOR PRICES.

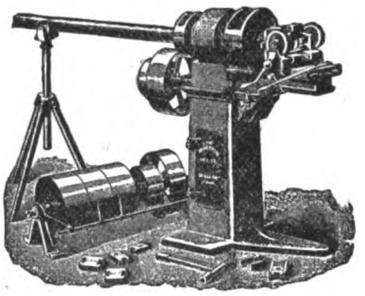
The Silver Mfg. Co.,
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THE GEO. W. STANLEY CO.,
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Manufacturers of
Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.

YOUR STOCK IS NOT COMPLETE
Without a Line of



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No. 2½ MACHINE.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



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Against sneak thievery by the use of
Shepardson's Key-Hole and Baggage Guard.
Sample by mail 75 cents. Illustrated circular and price list sent on application.
KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

"DON'T YOU HEAR DEM BELLS?"

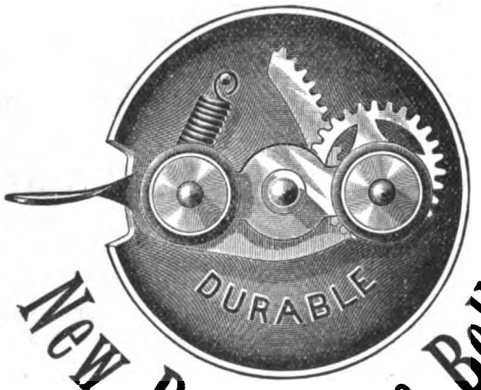
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Why Sell Inferior Goods



FIFTEEN STYLES
RETAILING
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for
1896.



New Departure Bells
ARE THE
STANDARD OF EXCELLENCE

When the Best Cost so Little?



NEW PRICES and PROTECTION
to the
TRADE
for
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THE WIDE WORLD OVER.

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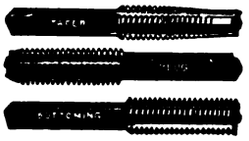
ALL INFRINGERS PROMPTLY PROSECUTED.

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Sole Manufacturers,
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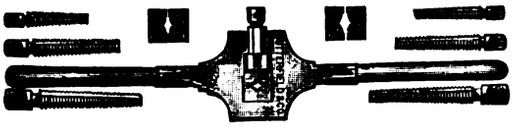
Butterfield & Co.,



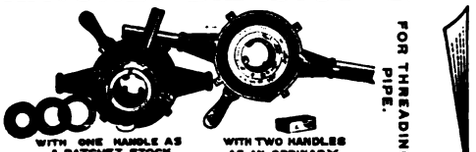
Taps & Dies.



Derby Line, Vermont.

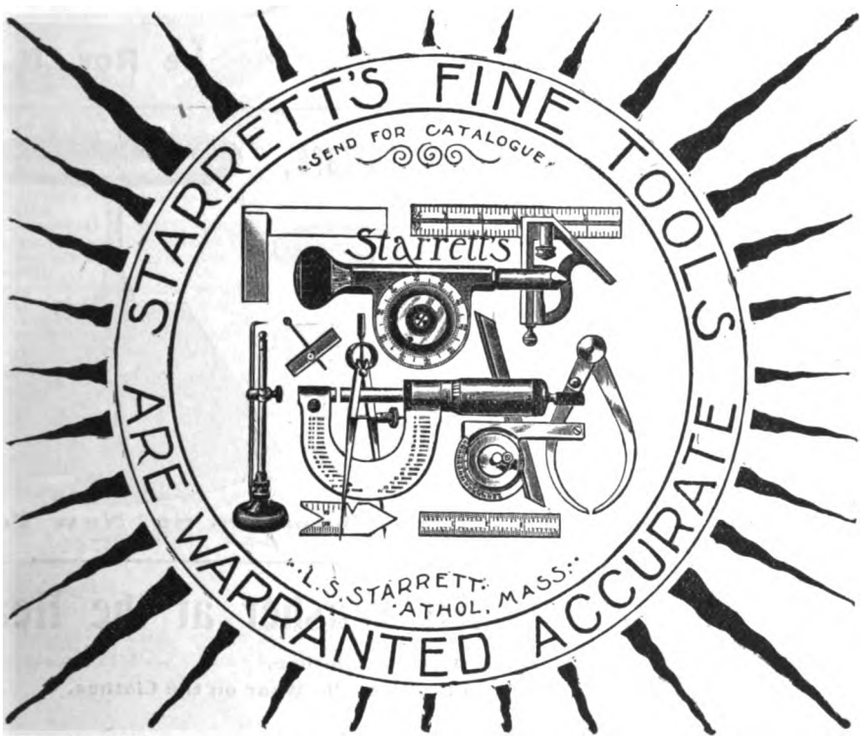


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THE OSTER PATENT ADJUSTABLE
RATCHET DIE STOCKS.





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Don't buy foreign goods when you can buy a better article of domestic manufacture.

We manufacture the best and most complete line of these goods in the market.

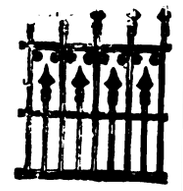
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WIRE & IRON WORK.

FENCING, CRESTING
STABLE FIXTURES,
WINDOW GUARDS,
WIRE SIGNS,
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JAIL CELLS.





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DO YOU CARRY A STOCK OF
FLOWER POT STANDS?
SEND FOR CATALOGUE.

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E.T. BARNUM

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We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

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Manufrs. of Useful Adv. Mediums.

You take no risk on the quality.
We have only the best



Sand Papers in Sheets and Roll
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H.A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

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There are Two Classes of Rubber Belting, Packing and Hose:

MALTESE CROSS BRAND

AND OTHERS.

We are the Sole Makers of the MALTESE CROSS GOODS, but we make others too, and all at prices that you will find attractive.

THE GUTTA PERCHA AND RUBBER MFG. CO.,

ESTABLISHED 1855,

Mechanical Rubber Goods of Every Kind,

35 WARREN STREET, - - NEW YORK.

BRANCHES: CHICAGO. BOSTON. SAN FRANCISCO. PORTLAND, ORE.

OHIO AND SAMSON

ARE THE BEST

Mounted Grindstones

ON THE MARKET.

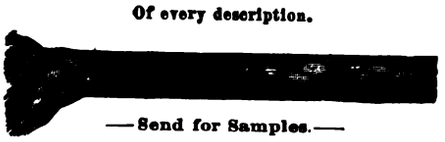
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THE CLEVELAND STONE CO.,

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Braided Cord

Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

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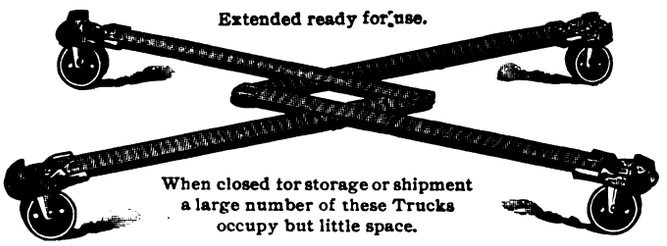
TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt

Steel Lock Frame Stove Trucks.



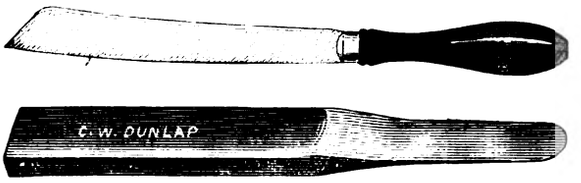
Price, $15.00 per dozen.

Fit any size stove. No nuts, bolts or thumb screws. No bars to cut off.

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WARD & GILMORE, Manufacturers, Le Roy, N. Y.

Dunlap's Superior Kitchen Hardware.





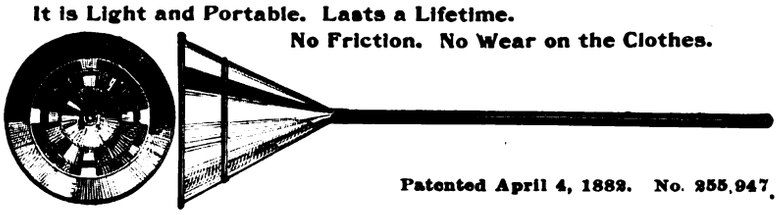
Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St., New York.

The Compressed Air Washer at the Head.

It is Light and Portable. Lasts a Lifetime.

No Friction. No Wear on the Clothes.



Patented April 4, 1882. No. 255,947.

We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric. The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.

Retail Price, $3.50. Send for Circulars and Prices

Manufactured only by E. M. HEATHMAN & CO., HAMILTON O U. S. A.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of WIRE in great variety.

NEW HAVEN, CONN.

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CLIMAX WATCH



FOR

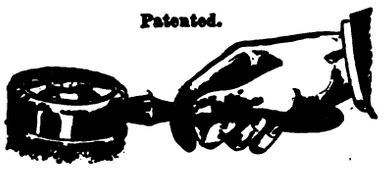
$2.00

American
Lantern
Pinion
Stem Wind
¼ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. Over one-half of them through the Hardware Trade. Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

THE BERRY CLOTHES SPRINKLER
Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Liberal discount to the trade. Send for price.
THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

A business without advertising is like a gun without ammunition. Advertise in "HARDWARE."

AT THE TOP



AND GOING TO STAY THERE

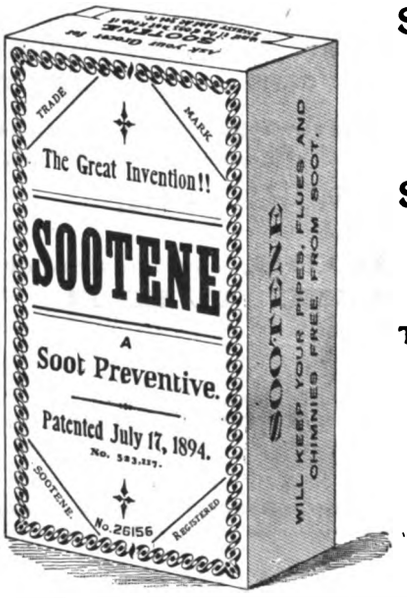
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Manufacturers of **SAWS** Of Every.. Description

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SOOTENE

Will keep your Chimney Pipes and Flues free from Soot and create a perfect draught, thereby making it a household necessity.

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Is an article worth the Dealer's attention and will pay them well to keep in stock. Address

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The Smith & Egge Mfg. Co.,
Bridgeport, Conn.

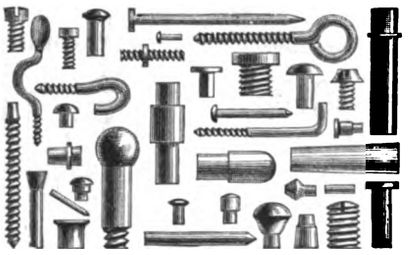
Manufacturers of

Padlocks,
Cycle
Locks,
Toe Clips,
Dog Leads,
Automatic
Machinery.



Sash and
Cable Chains,
Sash Pulleys,
Drill Chucks,
Shears and
Sheet Metal
Novelties.

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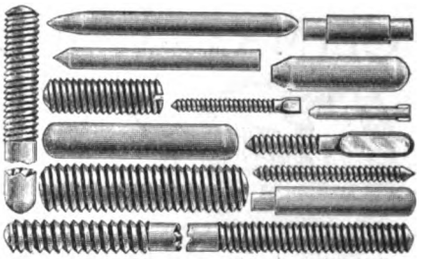


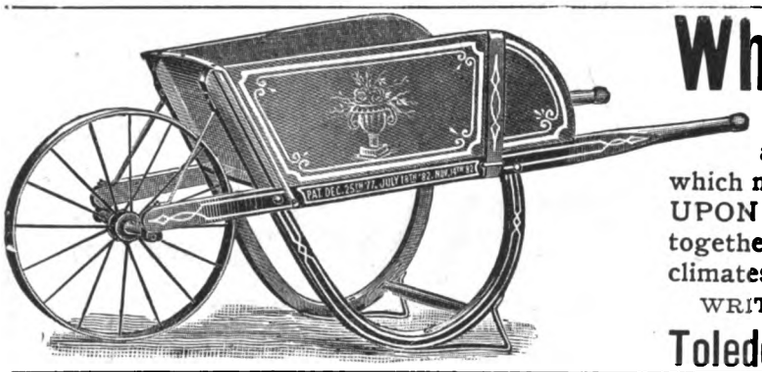
Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
WATERBURY, CONN.





Wheelbarrows

of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,
CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS**, AND DRAWERS OF
IRON AND STEEL WIRE
OF EVERY DESCRIPTION,
SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.
312 Dorchester Ave.,
SO. BOSTON, MASS.

Hardware Dealers

Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.



CASTINGS
SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.
C. H. Angus, - Albany, N. Y.

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Do You Desire

an article that every family would buy if they simply had their attention called to its merits? If you do, put in a stock of P & A's Banner Oil Stoves. See Cut.



No. 971. Heater Complete. Height, 27 inches.

Banner Oil Heater

SIMPLE, NOVEL and PRACTICAL.

Requires less care than the ordinary Lamp.

Will burn 10 to 15 hours and heat comfortably a room 15 to 20 feet square.

NO SMOKE! NO ODOR!
PERFECT COMBUSTION.

POINTS:

The Oil Fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking.

No Chimney. The drum of the **BANNER** in its construction acts as a chimney, saving the expense incident to the renewal of glass chimneys of other makes.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and ONLY ONE with feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness.

Lighting. It is not necessary to remove any part of the stove to light it. The sliding door in the drum is made for this purpose.

Draft. The round openings in the drum create great suction of cold air in addition to the regular draft. Double the radiating force of the ordinary stove is thus secured.

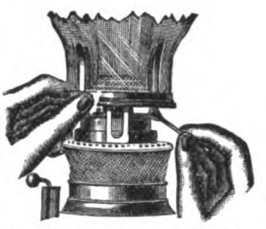
Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

*** SOLE MAKERS, ***

THE PLUME & ATWOOD MFG. CO.,

29 MURRAY ST., NEW YORK, U. S. A. 199 LAKE ST, CHICAGO.

The



B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures,

Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

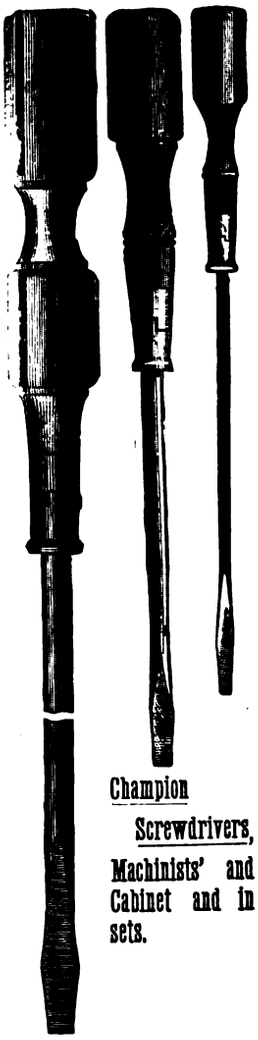
NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

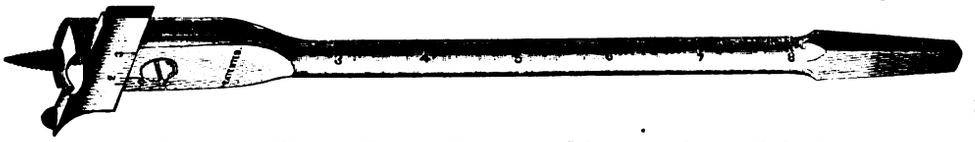


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Carpenters and Machinists' Tools.

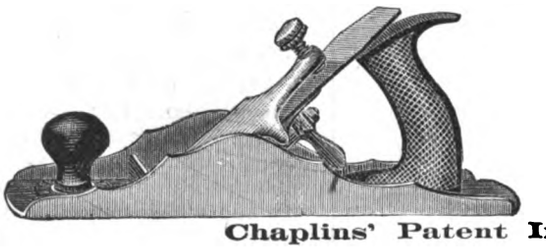


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





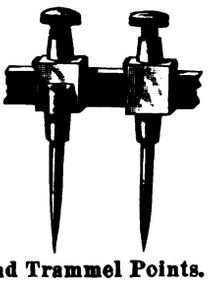
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



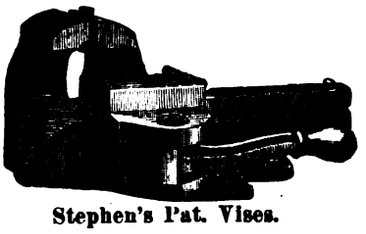


Plumb Bobs and Trammel Points.

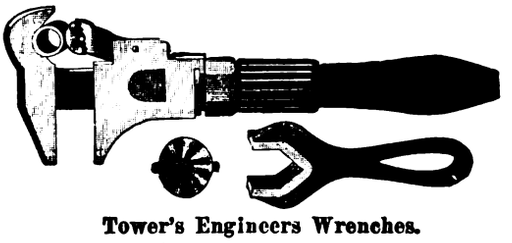




Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON, NEW YORK.

95 Chambers and 77 Reade Streets,

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,

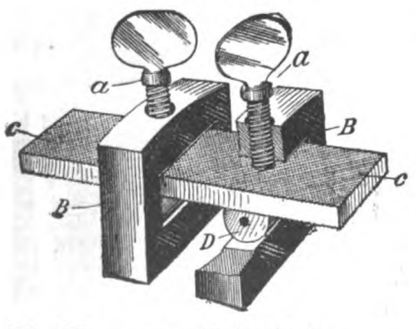
CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener



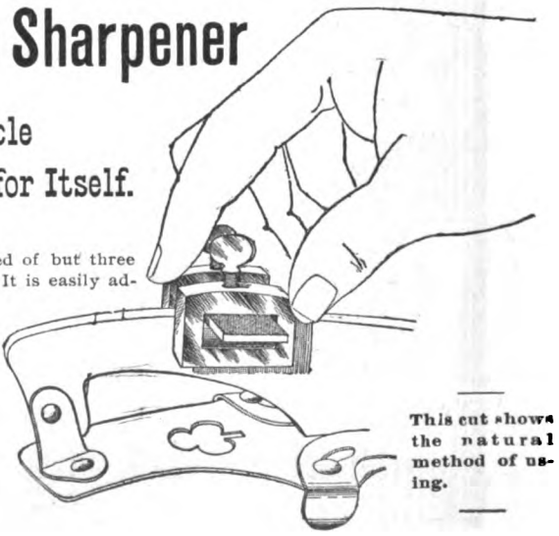
A New and Useful Article

Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

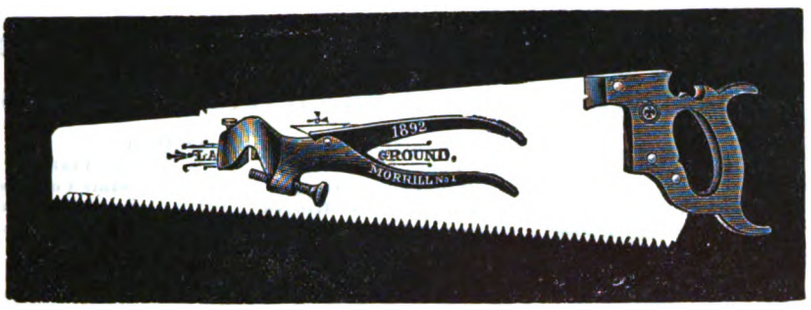
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

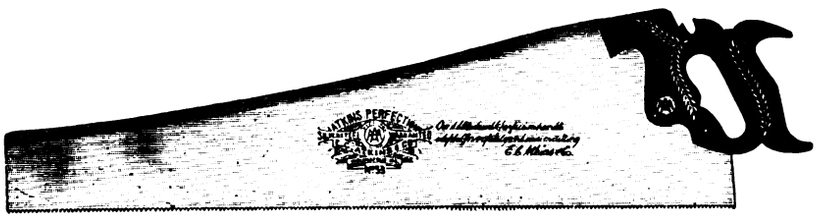
CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind. BRANCH HOUSES } Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

MANUFACTURERS

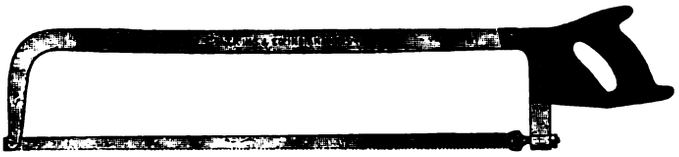
THE Atkins SILVER STEEL SAWS.

SILVER
STEEL



THE BEST SAWS MADE.

THE ATKINS "PERFECTION" SAW. No. 53.

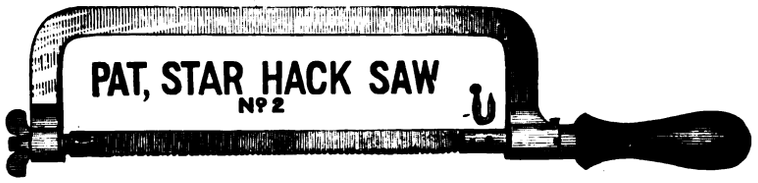




An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.



OUR STAR HACK SAWS

Are used in nearly all of the Iron Working Shops in this country and Europe. Now we wish to introduce them to the Farmers and Householders generally. They will cut Iron, Steel, and Wood equally well. One blade which costs five cents, will cut off an inch-square bar of iron 100 times without filing. They will do most of the work of a file at one-tenth of the cost. All of our best blades are rounded at the ends and stamped with a star.

As a sample, we will send one Steel Frame and Six Blades by mail, prepaid, on receipt of $1.00. Or, they can be had of all the best Hardware Dealers, who usually keep a good line of our high-class tools.

MILLERS FALLS CO., - 93 READE ST., NEW YORK.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.

Tools, Cutlery and Springs.



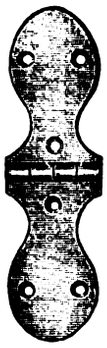
SCREWDRIVERS OF ALL KINDS - - SEND FOR CATALOGUE.



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F. KLAGES & CO., 107 Chambers Street, 91 Reade Street, New York City.

SOLE AGENTS FOR U S. AND CANADA FOR THE



Buchanan Brass Hardware Co., Limited,

Manufacturers of BRASS and BRONZE HARDWARE.

D o- Pul s,
Shutter Ba:s,
Drawer Pulls,
Corner Plates,
Hook Sash Lift-,
Mirror Plates,
Flush Sash Lifts,
Plate Escutcheons,
Cabinet Escutcheons,
Fire Screen Hinges.

Moulding Hooks,
Fancy Box Hinges,
Refrigerator Hinges,
Fancy Cabinet Hinges,
Box and Chest C rners,
Brass and Zinc Wa-hers,
Floor and Ceiling Plates,
Water Closet Seat Hinges.

SEND FOR CATALOGUE.

S Hooks,
Hinge Plates,
Stair Corners,
Stair Buttons,
Loose Pin Butts,
Strap Hinges,
Door Numbers,
Shelf Brackets,
Padlock Hasps,
Mending Straps.





Revolution in Washing Machines.

Every machine guaranteed to was Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

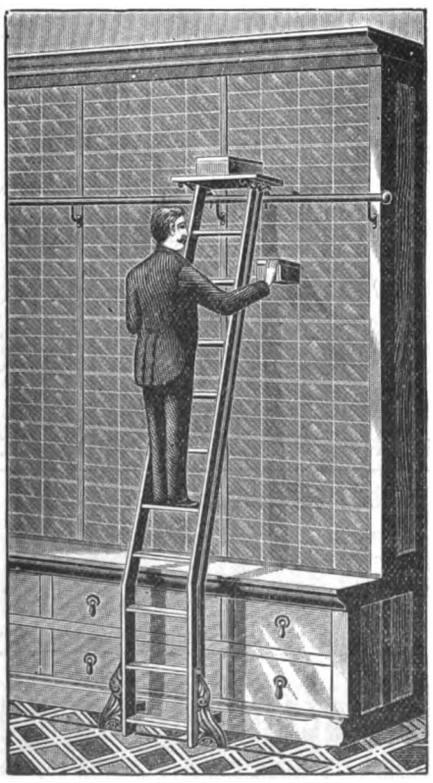
The Champion Washing Machine Co.,

213-223 West Third St., Cincinnati, Ohio.



The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J HUSSEY & Co., 80 John St.

Your Christmas Stock

Is Not Complete Without the



Cream City Flour Bin and Sifter.

Made of Heavy TIN.
Handsomely Ornamented.
All Salient Features Patented.

The best combined receptacle, sifter, mixer, aerator and preserver of Flour in the world.

Keeps Flour sweet and clean, sifts it out as wanted and never wastes a speck.

The only Bin made with detachable shield over the sifter. It keeps the pressure off the reels, ensures ease of operation and prevents grinding through of impurities. Three sizes, 25, 50, 100 pounds. Made only by the

Geuder & Paeschke Mfg. Co.,

Manufacturers of TINWARE, MILWAUKEE, WIS.

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LARGEST FILE AND RASP PRODUCERS IN THE WORLD.

NICHOLSON . .
GREAT WESTERN
X. F. (EXTRA FINE)
AMERICAN . . .

The Standard Brands.

FACTORIES AT
Providence, R. I.
Beaver Falls, Pa.
Pawtucket, R. I.

MAIN OFFICE AND ADDRESS:
NICHOLSON FILE COMPANY
PROVIDENCE, R. I., U. S. A.

OPERATING FOUR DISTINCT PLANTS.

Capacity, Equipment and Quality of Product Unequalled.

CABLE ADDRESS:
"NICHOLSON,"
PROVIDENCE, R. I. U. S. A.

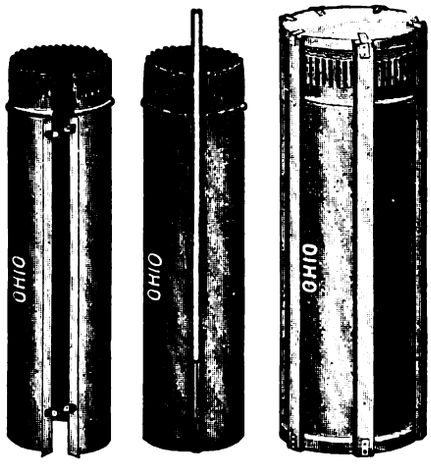
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizse:

4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in.... " 6½ in.... "

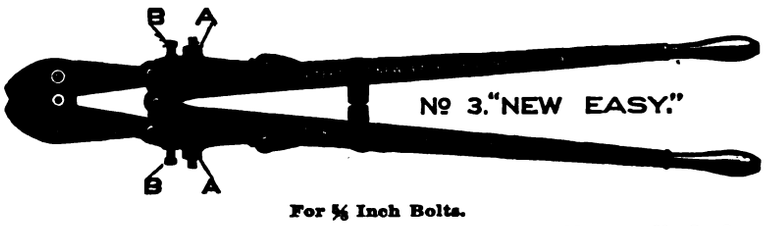
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

OVER 35,000 SOLD.

Can be sold by all Hardware dealers.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

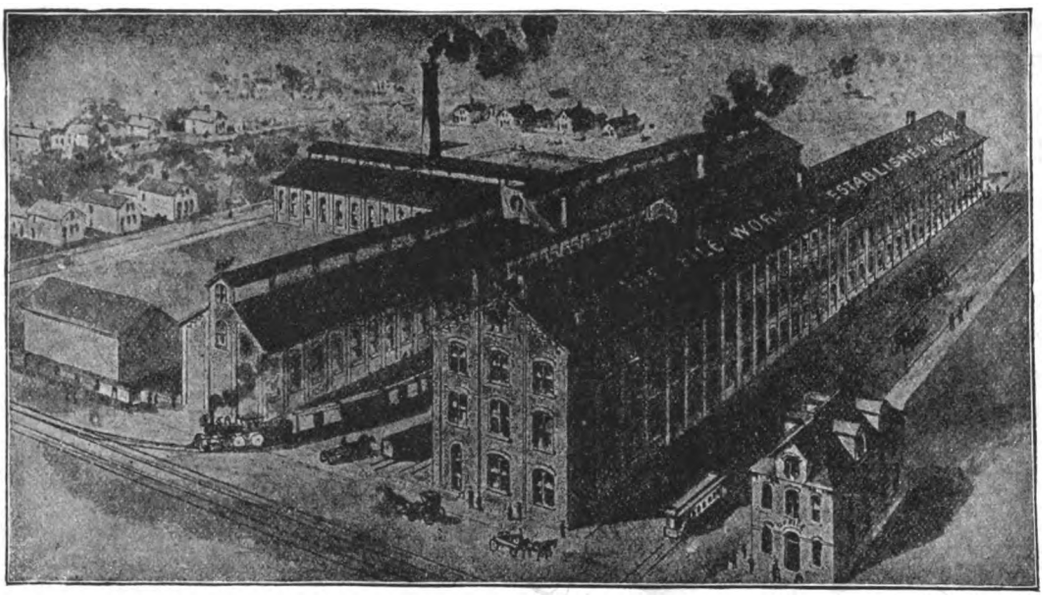
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

Eastern Office and Warehouse, 83 READE STREET, - NEW YORK CITY.



Western Office and Warehouse, 23 LAKE STREET, - CHICAGO, ILL.

Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the Improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.

BOSTON BELTING CO.



ESTABLISHED 1828.

James Bennett Forsyth
M'f'g Ag't & Gen. Man.

MANUFACTURERS OF **RUBBER BELTING, HOSE, PACKING, TUBING, VALVES, MATS, MATTING, SPRINGS, WASHERS, &c.**

GARDEN & LAWN HOSE.

256, 258, 260 Devonshire St., Boston. 100 Chambers St., New York.

SALESROOMS:

26 Light St., Baltimore, Md.
51 Decatur St., Atlanta, Ga.
10-16 N. Commerce & Front Sts., Mobile, Ala.
316, 318 St. Charles St., New Orleans, La.
9th St. and Washington Ave., St. Louis, Mo.
201-205 W. Pearl St., Cincinnati, Ohio.
150 Water St., Cleveland, Ohio.
410-414 W. Fifth St., Kansas City, Mo.
8 and 10 E Michigan St., Duluth, Minn.
380 E. Water St., Milwaukee, Wis.
248-252 E. Fourth St., St. Paul, Minn.
237 Main St., Memphis, Tenn.
137, 139 S. Meridian St., Indianapolis, Ind.
90 Pearl St., Buffalo, N. Y.
24 Fremont St., San Francisco, Cal.
14, 16 Front St., Portland, Ore.

The Sterling Emery Wheel Mfg. Co., Tiffin, O.

EASTERN AGENT:

L. BEST,
45 Vesey Street,
New York.

CUTTER, WOOD & STEVENS,
131 Pearl Street,
Boston



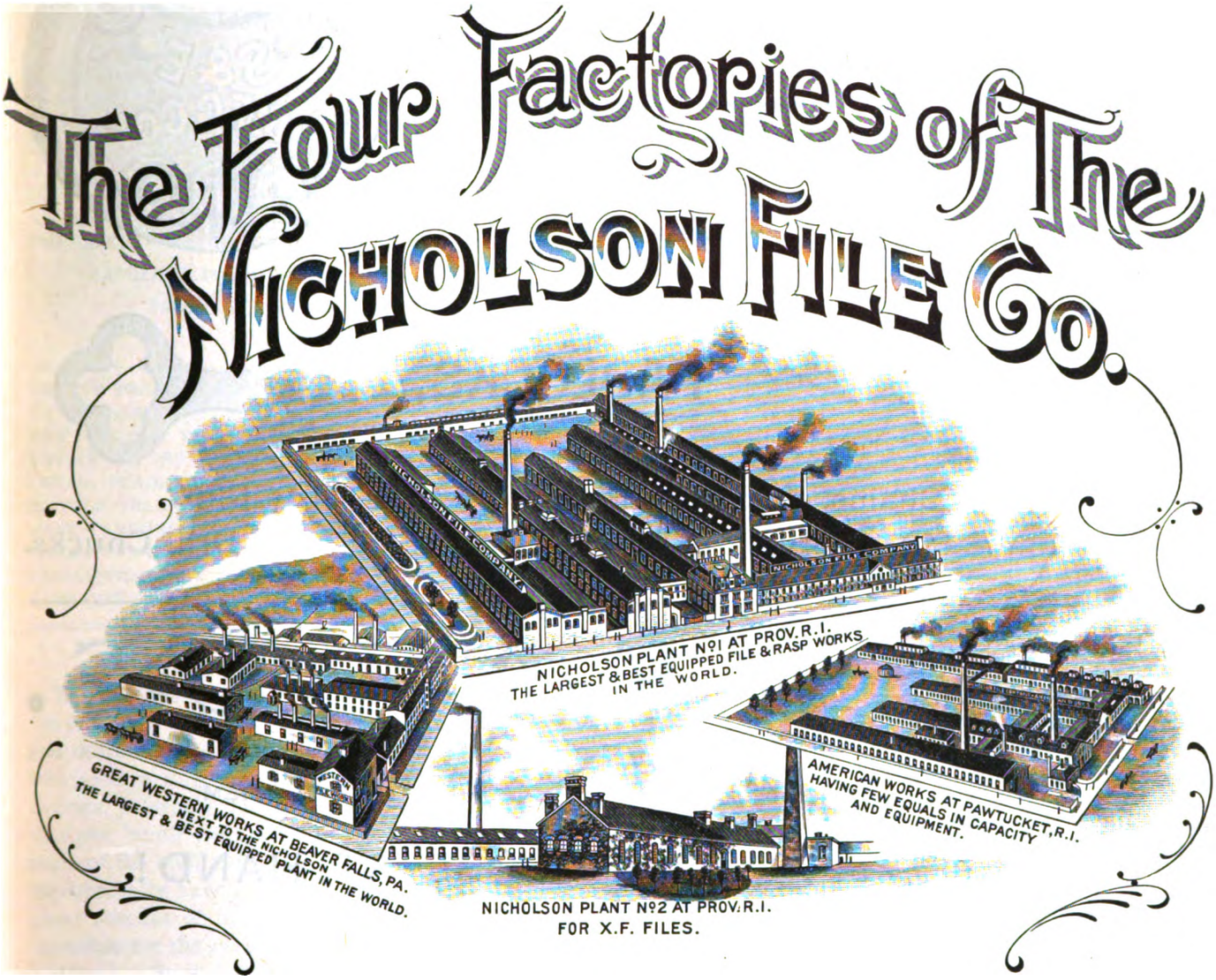
MANUFACTURERS OF

Emery
AND
Corundum Wheels.

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NICHOLSON FILE CO.

Largest File and Rasp Producers in the World.



MAIN OFFICE AND ADDRESS,

CABLE ADDRESS
NICHOLSON
PROVIDENCE, U.S.A.

NICHOLSON FILE CO.
PROVIDENCE. R.I. U.S.A.

A.B.C. CODE.
4th EDITION

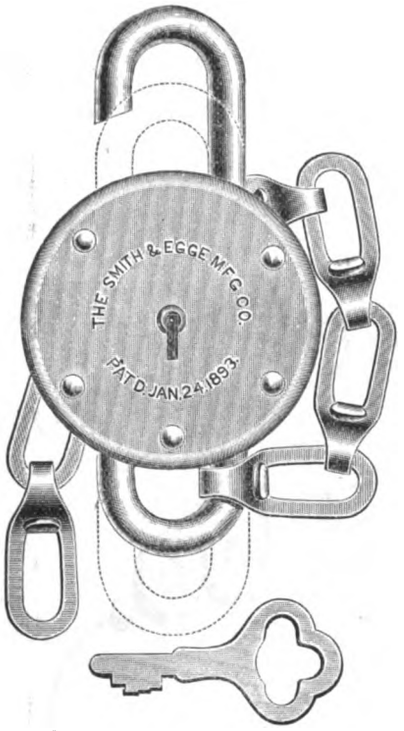
Standard Brands.

"NICHOLSON,"	Product of Plant No.	1,		Providence, R. I.
"X. F." (EXTRA FINE)	" " "	2,		Providence, R. I.
"GREAT WESTERN,"	" " "	3,		Beaver Falls, Pa.
"AMERICAN,"	" " "	4,		Pawtucket R. I.

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The Smith & Egge Manufacturing Co.,

BRIDGEPORT, CONN.



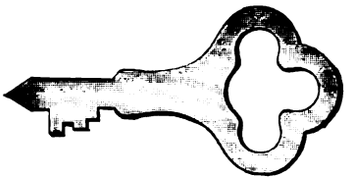
MANUFACTURERS OF

"THE BEST"

GRADE of

PADLOCKS,





Sash and Cable Chains, Eureka Patent Shears, Toe Clips,
Automatic Machinery, Bicycle Locks, Drill Chucks.

ESTABLISHED 1827
E.S. 1827 & Co.
INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

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On page 58 of this issue, you will find the

SECOND CHAPTER

OF THIS

LESSON IN SKATES.

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HARDWARE

VOL. XII. NOVEMBER 10, 1895. NO. 3.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the

HARDWARE PUBLISHING COMPANY,

No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:

CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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News from South Africa.

The friendship and intercourse between nations, "even unto the utmost corners of the earth," grow closer and more marked with the passing of every year, and this good feeling, and interest in the affairs of other nations, is largely due to the international exhibitions that are being held with increasing frequency in all parts of the civilized world, and, in fact, in parts which until recently have been regarded as uncivilized. The great success of our own World's Fair is largely responsible for the revival of interest shown in these exhibitions. By these means the rival manufacturers of different countries hear that there are others in the field besides themselves, and come to the conclusion that they must be up and doing, or be left behind in the race for commercial supremacy. This leads to an exchange of ideas and the adoption of the latest improvements, which must necessarily result in universal benefit and mutual esteem.

The South African Republic is to have an international exhibition in Johannesburg during the months of May and June, 1896. The enterprise has been assured the support of the government, and President Kruger has consented to act as president of the exhibition. The principal departments of the exhibition will be displays of agricultural implements and mining machinery. The world-wide benefits that must result in the opening up of South Africa, can readily be seen. It is a region rich in gold mines, and offers exceptional advantages for wool growing and agricultural enterprise. South Africa has been very much before the public eye of late, owing to the craze to invest in the celebrated Kaffir mining stocks that prevails in the capitals of Europe, and to the recent success that has attended the arms of France in Madagascar.

While it is a loss to the public service, we feel that it is a gain to the Hardware trade, that Thomas F. Keating was not chosen to the office of Register, to which he had been nominated. The only thing that stood in the way of his election, was the fact that upon this occasion the city of New York decided to give the Tammany Hall ticket a show, and the gentleman who so ably represented the Hardware trade upon the other side, went down in the general wreck. Mr. Keating made an honest, clean, manly fight, winning the respect of his political enemies and the plaudits of his friends. He has little to regret in connection with his canvass, and many pleasant things to remember. Not the least of these is the fact that no man could have had from the beginning, and all the way through, a more earnest, willing and patriotic support from his business associates everywhere than was noted in the attitude of the Hardware trade toward the fusion candidate. He is capable of appreciating this fact fully, and we are sure that the remembrance will be held as one of the most pleasant things in his busy and useful career. From a trade standpoint, we cannot regret the result. Mr. Keating is too good a Hardwareman to be lost from the ranks.

The second meeting of the National Hardware Association will open in Pittsburg on Wednesday, November 20th. This great organization had its beginning one year ago in Cleveland, Ohio, and the interest there shown by Hardwaremen representing all sections of the country was such that the Association was placed upon a firm footing and commenced life under auspices of a most favorable character. This forthcoming meeting promises to be equal in all respects to that of its predecessor, and from what we know of Pittsburg, we can be positive that the visiting members will be treated in a most cordial manner, and will leave the Iron City feeling that the hospitality of Western Pennsylvania is something to be pleasantly remembered.

The business men voted at the late State elections, of course, and took the usual interest in the result, but we do not believe many of them neglected their affairs for politics to the extent that has been noted in some campaigns past. A man can vote as he thinks best, and take the most patriotic interest in all that is going on politically, without shutting up his store or closing his factory, to go into the streets and hurrah. Carrying a torch may aid in the spectacular display, but we never could understand how it could make votes. It is a hopeful sign when our campaigns are carried on with calm judgment, and, above all, a lack of mere noise for the sake of noise.

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Elsewhere are printed full lists of the exhibitors in the Chicago and New York Bicycle Shows of 1896, with the spaces that each is to occupy. These events are of especial interest to the Hardware trade, and any dealer who can arrange his affairs so that he will be in New York or Chicago upon the dates for these great exhibitions, should not fail to do so. The bicycle has become a permanent part of the Hardware trade.

Some of our esteemed cotemporaries do not believe that even in this age of trolleys and bicycles the horse "must go." Perhaps not altogether, but it is a certain fact that so far as street cars are concerned, he has gone already.

Supplee Hardware Co. and Wheels.

Advance circulars from the Supplee Hardware Co., Philadelphia, would tend to show that they expect to make their Bicycle department during the season of 1896 a leading one in their large establishment, and from the purchases that they have already made it would show that they are well satisfied as to having lines that will prove salable for the Hardware trade to take hold of. Necessary to accommodate rapid increase in this department of their business, they have been obliged to seek quarters outside of their regular store house, and have leased the large four-story building, No. 415 Commerce Street, which is to be held solely and entirely for their Bicycle department. From their advertisement on page 52 will be noted a line of Syracuse Crimson Rim Bicycles, as manufactured by the Syracuse Cycle Co., heading the list. On this make of wheel they control trade in the States of Pennsylvania, southern New Jersey, Delaware, Maryland, Virginia and West Virginia, North and South Carolina, Georgia and Florida. They will also represent the National Sewing Machine Co., of Belvidere, Ill., with the Eldredge and Belvidere machines, in connection with which they, of course, will have a line of medium grade and cheaper wheels, juvenile wheels and sundries.

E. T. Barnum's Catalogues.

We have at hand the fall Hardware supplement to the complete catalogue issued in the spring by E. T. Barnum, Detroit, Mich. It illustrates and describes a host of wire and iron goods, including flower pot stands, steel folding gates, steel window guards, iron cresting, tower ornaments, weather vanes, and bank and office counter railings, iron bedsteads, lattice jail cells and many others. He also issues supplements to the fence catalogue and builders' catalogue, and a complete catalogue devoted to steel jail cells and jail work. These have been sent to the trade all over the United States and some foreign countries. The firm will be glad to mail a copy of any complete catalogue to all who write for one, stating the kind of work they require, so that they may receive a catalogue devoted to that kind of work.

National Hardware Association.

The National Hardware Association, which was formed under such favorable auspices in Cleveland a year ago, will hold its annual meeting in Pittsburg on November 20th, 21st and 22d. It is expected that about 125 delegates will be present, representing the principal houses of the United States. The Hardwaremen of Pittsburg are making preparations to entertain their guests in a hospitable manner. An excursion on the river, tours of some of the great iron plants, and a banquet, are among the events already planned. The headquarters of the Association will be at the Monongahela House. W. W. Supplee, of Philadelphia, is president, and T. James Fernley, of the same city, secretary.

A Leading Social Event.

One of the great social events of Brooklyn of the present season was the marriage of Miss Florence Norton Bissell, the daughter of Mr. and Mrs. Eugene Bissell, to Edgar Frederick Luckenbach. Mr. Bissell, it is hardly necessary to say, is the head of the well-known firm of E. Bissell, Son & Co., New York, and has been one of the most efficient of the governors of the New York Hardware Club since the beginning of that very successful organization.

The ceremony was performed on the evening of October 30th, in the South Congregational Church, on the corner of Court and President Streets, Brooklyn, the Rev. A. J. Lyman, pastor, officiating. The church was crowded with friends of the happy young couple who were to be made one. It was handsomely decorated, the chancel being banked with tall palms, relieved by pink and white chrysanthemums, and the pews reserved for families of bride and groom ornamented with la France roses and ferns, tall white posts surmounted by white chrysanthemums marking the division. The bride was attended as maid of honor by Miss Yale, of New York, and the bridesmaids were Miss Lilian Dustin, Cambridge; Miss Lilian Pitkin, Miss Alice Mackay, Miss Effie Conrow, of Brooklyn. Miss May Bissell, of New York, acted as flower girl, and Master J. Lewis Luckenbach as page. The best man was Walter A. Luckenbach, and the ushers were T. Ellett Hodgkin, Charles A. Schieren, Jr., Paul Libby, W. W. Walsh, Jr., Henry W. Steinhauser, John B. Joy.

A reception followed the ceremony at the home of the bride's parents, No. 210 Berkeley Place, which was attended by relatives and intimate friends. The bride and groom received under a canopy of roses and smilax, and the house was decorated with pink blossoms and foliage.

The bride is one of the most charming of the young society women of Brooklyn, and the groom is also well known in society circles. He is a member of the Germania, Riding and Driving and Crescent Athletic Clubs. He is also a member of the Crescent Quartette.

Kilmer Mfg. Co. Receivership.

The plant of the Kilmer Mfg. Co., Newburgh, N, Y., is in the hands of receivers. Frank H. Cassedy has been selected as the Newburgh representative and Charles R. Flint will look out for the New York end. The application for a receivership was not forced upon the company through lack of business. On the contrary, an overplus of business is what brought them to temporary embarrassment. Raw material costs money, employees require pay weekly, running expenses are heavy, freightage must be paid cash. The greater the business done the greater the expenditure. Mr. Cassedy does not think the changed condition of things will materially affect the workmen. The first money that comes into their hands, from whatever source, will be applied to the liquidating of indebtedness to the employees. It is thought that the receivership will only be a temporary one.

Zucker & Levett & Loeb Co.

At the annual meeting of the Zucker & Levett & Loeb Co., Nos. 526 to 530 W. 25th Street, New York, held on October 30th, Charles Loeb was duly elected president; William R. W. Hentz, vice-president; Walter L. Loeb, secretary, and Harry L. Haas, treasurer. The former president, Alexander Levett, has no further connection with the management of the business. The company have in course of compilation a handsome catalogue of about 200 pages. It will be ready for distribution in a few weeks, and it will contain information concerning plating that has never been printed before. The business of the firm is in a flourishing condition. Zucker & Levett & Loeb are of the leaders in their line in the universe.

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New York Hardware Jobbers.

The seventh annual meeting of the New York State Association of Hardware Jobbers was held at Syracuse, N. Y., on October 29th. The meeting was called to order at 11:30 o'clock by Hobart Weed of Buffalo, the newly elected president chosen at a special meeting held some time ago in Rochester. The two sessions of the day, morning and afternoon, were private. Members of the association from all parts of the State to the number of about thirty were present, and the time was spent very advantageously in the interchange of ideas and a discussion upon the markets and business methods. The credit system was among the subjects which was discussed. Upon this subject a very interesting paper was read by J. W. Black of the firm of Burhans & Black, of Syracuse. The reading of this paper was followed by a very spirited discussion in which nearly every member present took part. Remarks were also made by H. C. Mandeville of Elmira.

At the close of the business session an elaborate dinner was tendered the guests at the Yates. Besides the members of the association, there were present at the dinner George N. Crouse and Robert McCarthy of Syracuse, as honorary guests. J. W. Black acted as toastmaster. The tables were very elaborately laden with vases of flowers, while a tower of luscious fruit served as a centerpiece. After the several courses had been served the guests listened to a number of very interesting after-dinner speeches.

George E. Dana of Utica, a representative of the oldest Hardware house in the State, was among the speakers. He said that he was glad that the Hardwaremen of the State are coming closer together year by year, and attributed it largely to the fraternal relations which the association had nourished. Other speakers were: C. W. Tillinghast, 2d, of Troy; Mr. Boucher, of Rochester; S. J. Weaver, of Rochester, secretary of the State Jobbers' Association, and Eugene McCarthy, Harry Kennedy and George N. Crouse.

Allerton-Clarke Co.'s New Location.

The Allerton-Clarke Co., No. 83 Reade Street, will shortly remove to the quarters recently occupied by the C. F. Guyon Co., No. 97 Chambers Street. Mr. Clarke, when seen by a representative of HARDWARE, said that owing to the increase in the file business, and the fact that the company had taken the agency for the Lockwood Mfg. Co., the change was necessary, as the premises on Reade Street were not commodious enough, and Chambers Street being essentially the Hardware street, it was quite desirable to move there. The store force and the traveling representatives of the late C. F. Guyon Co. will be retained in the service of the Allerton-Clarke Co., and George B. Main and Thomas W. Munroe, who served as vice-president and secretary of the C. F. Guyon Co., will also remain and be identified with the Allerton-Clarke Co., alternating as representatives on the road.

Bommer Bros.

Bommer Bros., Nos. 351-353 Jay Street, Brooklyn, N. Y., manufacturers of compound spiral spring hinges, are now offering this hinge in unpolished steel, plated to resemble plain or antique copper, or, indeed any finish on the natural surface of the steel. They say: "the commercial significance of innovation lies in the fact that, while attractive in appearance and merchantable, they can be sold at about half the cost of identically the same hinges, fully polished. On some of the leading sizes the price is much less than one-half that of the fine polished goods." It is pointed out, however, that this line is not introduced as a substitute for the fine polished hinges, which they continue to make in great variety, but for contracts where close estimates are necessary. This firm are manufacturing steel spring hinges specially adapted for wire workers and metal railing makers, in both single and double action, which are sold at regular prices. These are in 4 and 5-inch sizes, with two rivet holes in each flange, adequate space being allowed for the rivet heads. In compiling their last price-list they have simplified it greatly by leaving out many extra sizes and correspondingly increasing the range of thickness of door which their regular sizes will take. Dealers will thus be required to carry in stock fewer sizes. The firm have also put in new machinery for turning out a number of new finishes, the object being to supply their entire line of spring hinges to match any builders' Hardware made by the leading manufacturers. Their facilities now are such that any style of finishing not regularly made can be finished to order by merely designating the finish and the maker's name. Among a number of new finishes they are bringing out are sand blast on bronze, brass and steel goods. They also plate on steel to resemble antique brass, antique copper, silver, bronze and dull brass.

The Crawfords for 1896.

The Crawford Mfg. Co., Hagerstown, Md., and Nos. 70 and 72 Reade Street, New York City, will market for the season of 1896, in addition to their medium grade 28-inch and high grade 28-inch, a line of four patterns of juvenile Bicycles, namely: 24 and 26-inch drop and 24 and 26-inch diamond. They have just issued a neat and attractive advance sheet of specifications, which bears the title, "The Crawford Models for 1896." It gives all the details of the make-up of their Crawford No. 29, Crawford No. 30, Crawford No. 27, Crawford No. 28, Crawford No. 25, Crawford No. 26, Crawford No. 23 and Crawford No. 24. Those who wish to know all about a fine line of wheels should send for a copy.

As in the past, the Bigelow & Dowse Co., No. 229 Franklin Street, Boston, will continue sole agents for the Crawford bicycles.

Underhill, Clinch & Co.'s New Agency.

Underhill, Clinch & Co., No. 94 Chambers Street, New York, have made an important new connection, as the following announcement will show:

WESTPORT, CONN., Oct. 19, 1895.

To the Hardware Trade:—We have appointed Messrs. Underhill, Clinch & Co., New York, our sole agents for the distribution of the product of our factory, for all territory other than the New England States. We would respectfully request all inquiries in regard to orders and prices to be addressed to them. Yours truly,

G. W. BRADLEY'S SONS.

NEW YORK, October 19, 1895.

Gentlemen:—Having accepted the agency for Messrs. G. W. Bradley's Sons, Westport, Conn., we solicit orders for the well known goods of their manufacture. Contemplated improvements at the factory it is hoped will make it possible in the future to fill orders promptly. There have been some changes made in prices and we would be pleased to receive and answer all inquiries in regard to same.

Respectfully yours, UNDERHILL, CLINCH & CO.

At the recent meeting of the paint and oil manufacturers, held in Chicago, the following officers for the coming year were elected: President, Howard B. French, Philadelphia; vice-presidents, Wm. Strideron, Detroit; F. N. Sewell, Kansas City; secretary, D. Van Ness Person, Chicago; treasurer, W. Agge, Boston; auditor, W. T. Seaton, New Orleans.

P. Loewentraut's roller and ice skate manufactory, a brick structure at Brenner and Kent Streets, Newark, N. J., was on October 31st gutted by fire. The fire originated in the engine room and swept through the stair wells to roof. Thousands of gross of skates were destroyed, along with considerable machinery. Total loss about $25,000.

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Where They Make Files.

Readers will find elsewhere in to-day's issue a full-page illustration of the four extensive plants operated and controlled by the Nicholson File Co., of Providence, R. I., devoted solely to the manufacture of Files, Rasps and kindred goods.

These plants are located as follows: The Nicholson and X. F., at Providence, R. I.; the Great Western, at Beaver Falls, Pa., and the American, at Pawtucket, R. I. The immense output of these four plants enables this company to control more than 65 per cent. of the Files and Rasps made in the United States. The plant of the Great Western File Co. at Beaver Falls, Pa., their most recent acquisition, is the largest and best equipped in this country outside of the New England States for the manufacture of Files and Rasps.

With over 3000 varieties, as shown in their World's Fair Exhibit at Chicago, for the trade to select from, and with an enormous stock always on hand to draw from, orders are filled and despatched with practically no delay whatever.

The quality of the product of this company is so well and favorably known that it is needless to expatiate on that point, it being the result of nearly thirty years' study and experience.

There could hardly be any other than a successful culmination to so long a term of persistent, untiring energy and push.

A New Hardware Association.

The procession grows larger and larger each year. Tennessee is one of the latest to keep step with Hardwaremen everywhere. On October 22nd a meeting was held at Greeneville, Tenn., at which eight firms of Hardware dealers were represented, and letters read from others who promised their support. The East Tennessee Hardware Dealers' Association was formed, and the following officers elected:

President: George E. Speck, Morristown.

Vice-president: J. W. Willis, Greeneville.

Secretary and treasurer: R. M. Rogan, Rogersville.

The next meeting will be held at Morristown on January 14, 1896, at which time it is certain that the membership will be greatly increased.

Quotations Wanted.

The Mechanical Rubber Co. (successors to the Cleveland Rubber Co.), Cleveland, Ohio, wish quotations on Hose Fittings, Clamps, Bands, Reels, Specialties, etc., for the 1896 trade.

At the recent meeting of the National Association of Agricultural Implement and Vehicle Manufacturers in Chicago, the following officers were elected for the ensuing year: President H. C. Staver; vice-presidents C. F. Hulein, E. C. Sooy, Clement Studebaker, E. P. Curtis, H. A. Cavanagh, W. W. Collier, H. M. Kinney, G. Watson French, P. A. Myers, Henry Timken, E. J. Mockford, G. H. De Golyer; secretary O. D. Frary; treasurer Christoph Hotz; executive committee O. W. Jones chairman, Frank K. Bull, James E. Deering, Colonel A. L. Conger, J. W. Stoddard, Charles H. Deere, Thomas A. Galt, W. H. Lewis, and W. H. Parlin. It was decided to hold the next meeting in Nashville, Tenn.

The Royal Carpet Lining Co., of Providence, R. I., say in their "Housekeepers' Guide in the care of Carpets," just published: First—"A stiff corn broom should never be used in sweeping, because it often tears the thread from the face of the carpets. A light or limber corn broom is best to use. We consider the Bissell Sweeper most desirable."

Protected the Rodgers Trade Mark.

A decision of interest to all whose trade marks are imitated by foreign manufacturers, was recently made in the high court of Saxony, Germany, in the case of Joseph Rodgers & Son, of England, against Otto Henkels and Walter de Hass, of Germany. The complaint made was to the effect that the defendants had imitated a trade mark, which the Rodgers' had especially used for their cutlery goods destined for export to British India, and that the defendants had used a device almost identical, for their own goods for the said market. After a full hearing of the case, the defendants were found guilty of the charge, and ordered to pay a fine. In the decision of the case, the court held: "The accused have, therefore, purposely provided their goods and their packing with a mark which is totally similar to the one belonging to and protected by the co-plaintiffs. Thereby they have interfered with the protection enjoyed by the co-plaintiffs for their Trade Mark, and have encroached upon their legal right. There is, therefore, no doubt existing about the illegality of their action. According to the admission of the accused they have put goods provided with the said Trade Mark into circulation, and offered them for sale. Both accused are, therefore, punishable for an offense against paragraph 14, etc., of the Trade Mark Protection Law."

It is reported from Cleveland, Ohio, that "one hundred million steel balls will be made by the Cleveland Machine Screw Co., of this city, before the shops are allowed a moment's rest. Fully 95,000,000 will have to be turned out to fill orders that have already been taken, and Secretary Climo figures that orders for 5,000,000 or 10,000,000 will be received in the way of 'floating business' before June 1, 1896, when the contracts must be completed. Such an output has never been known by any manufactory of balls in the world. The immense new factory of the Machine Screw Co. is located on Second Avenue near Central. There are several big buildings in the plant and the establishment is working night and day in order to fill the contracts that have been made. About 450 men are employed. The daily output is between 400,000 and 500,000 balls, or from 10,000,000 to 12.000,000 per month."

The secretary of the National Association of Manufacturers of the United States of America, E. P. Wilson, of Cincinnati, Ohio, writes as follows as to the first annual meeting of the Association: "It is now expected that the National Association of Manufacturers will meet in Chicago on the 19th of November next. The special object of the meeting is to hold the first annual convention of the Association; to take such action in the direction of forwarding the original objects for which the Association is formed, as in the wisdom of those who may be assembled in Chicago may deem most practicable and feasible."

Sargent & Co., New York, say upon a little card they are sending their friends: "November is the month when there are many calls for something to keep doors shut. Churches, schools, lodge rooms, apartment houses, first-class dwellings, stores, offices in city and country, use Sargent & Co.'s Eclipse Check and Spring. As a Hardware dealer you should get a share of this profitable business in your vicinity. If you are not posted on prices write us about it. Push the Eclipse Check and Spring during this month of November."

Rubber dealers have reason to be thankful for the prevalency of the bicycle craze. It is estimated that hundreds of tons of crude rubber, valued at $5,000,000, has been used in the manufacture of bicycle tires during the last year and a half.

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CONFESSIONS OF AN UNSUCCESSFUL CLERK.--XI.

The five years of steady labor and successful results of which I have spoken in the page before, comprised the happiest period of my life. We were contented in our little home, our baby grew toward sweet girlhood, I was able to give my wife many comforts impossible before, and down in my inmost conscience I know that I was good to her and made her happy.

I thank God for this, for at the end of those five years she died.

Out of this lonesome old age that year by year creeps upon me, I look back to that time as a long gleam of sunshine followed by sudden storm—and then the solemn, shadowy, desolate night.

No, I cannot write the details of that loss. I know that I am but a shabby old man, plodding along the dead-level highway of a commonplace life; expected as a matter of business to give and take in good nature the coarse jibes of village boys and bucolic visitors; making my home in that most dosolate of all barren places in the world—a cheap boarding house—and yet in my heart there lives a sunny picture of lost days that nothing can mar or destroy. In its center I see a sweet face of a loving mother and the clustering curls of a laughing babe who holds out arms of welcome at my approach—and I shall see them until I die. And then?

To go back a little. My partner's successful excursion into practical politics by his election as sheriff, had stirred a like ambition in my own mind. I was a member of the Branch literary and debating club, and unfortunately made a hit now and then, that encouraged me to bolder things. It became easy to take part in our political gatherings, and from speaking at home it was but a step to the filling of an occasional appointment in a neighboring town; and the usual result followed. An occasional fool-friend—whose only excuse was that he meant well—would suggest that I was just the man for the lower house of the state legislalature—and in my folly I thought he was about right, and became filled with a longing to go to Columbus and prove it.

When Simon came back from Grange loaded with enconiums and freed from public cares, I tentatively broached the subject to him. He thought for a moment, shook his head and said, "Don't do it, Hank, don't do it."

"Why not?"

"Well, I don't like to advise against it much, because you might think that I had a personal aim in keeping you here in the store. That ain't it. I am willing to turn in and work if you go away, but it's bad business for a young man."

"It pays well enough."

"That ain't it. The salary may seem large from the Branch standpoint, but when you get down to Columbus you'll find that don't go far. Then it costs something to electioneer—I've been there. But that's not what I'm aiming at. You are young; have a good start in business, and are doing well. You know what's ahead of us if we work hard. My advice is: Stick to business until you get well ahead, and if there comes a time when you can indulge in politics do so. You can't afford it now. There's another thing—it's mighty demoralizing to a young man, and there are a half dozen wrecks in Grange to-day who can thank the excitement of politics for the beginning of their ruin."

"That has no special application to me."

"True enough, but there's more than one way of getting demoralized, and if you get into politics you'll find it out."

Simon's advice so impressed me that for a few weeks I kept closely to business, and made material things rather than political ambition my guiding star. But the slow and sure poison had done its work. When the time arrived for the candidate to forsake all else and go out after delegates, I found myself in the van, haunting the old roads that Simon had traveled so well, and making myself agreeable to all men.

I must confess that all this was done against my wife's advice. She had not left me then; and I consoled her with dazzling dreams of future greatness, and a promise that she should go to Columbus with me, and be a partaker of the wonderful things there in store.

I was nominated and elected; went to the State capital and found that I was one of the smallest among a lot of small men. There was, perhaps, a time when a member of a State legislature was counted a high and highly-honored official, but it has long since passed away. The senator or representative who can get home without being charged with bribery or other forms of corruption, has done well.

I was in the second winter of my first and only term, when the sudden illness of my wife called me home. I reached her in time to close her eyes and to shut out the chief light of my life with them. We placed her beside her father and mother in Weston, and our little girl found shelter for the time in my mother's house.

The ambition of politics and the ambition of business success, lost their power for the time. I could not go back to Branch, and made a deal by which the young Reuben purchased my share in the store. I never saw the new sign, "House & Hazledine," that went up over the old building, but they tell me it still hangs there, although Simon has passed out of life, while his partner is the chief man and the largest property holder in his section of the county. That early investment in cats was an indication of his career.

With the expiration of my term as representative, I made a half-hearted endeavor for renomination, but a vote or two I had given displeased the farmers, and they chose another man.

I do not see how much more can be profitably related. A long spell of sickness came upon me, and like a child who sees the night approaching, I was glad to creep back to my father's home, and mother's love, and to feel their tender care when there was no one else to help.

I was never strong thereafter. My present employer means to compliment me when he says, "You vas long on prains, Heinrich, but you vas short on muscles." Some way, I never had the same old ambition to do, to get; to be one in the busy throng of men. I have been called lazy—that may have been it, but I do not believe that was all of it.

I went out the next summer as agent and salesman for a Cleveland lightning rod company, and rode over the greater portion of Michigan, selling the farmers something they did not want, and that was of no use to them when they got it. I helped for a time in the store at Weston, and in odd hours took up that one last refuge of the useless—I solicited for life insurance. The little accumulation of an earlier day had gone the way of all earth during my sickness, and for the care and schooling of my little one. For some years I acted as copyist in the office of the county clerk, through the kindly influence of Mr. House. Then came a steady position as clerk in a general store down here in Eastern Ohio, and if things go well, I expect to hold on to it, and not trouble my head about better things.

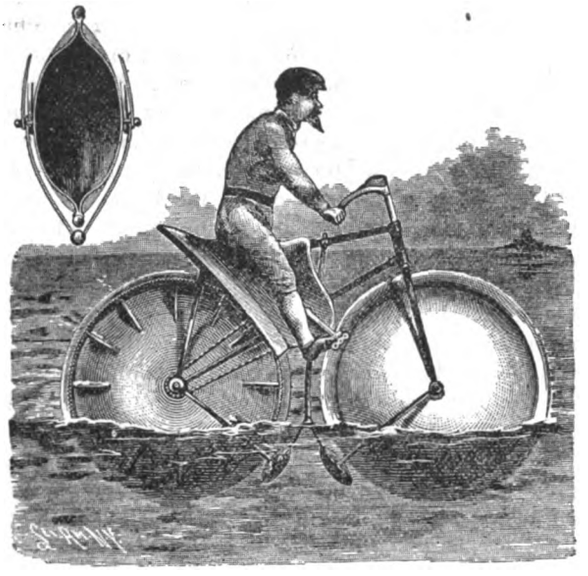
My little girl is happy and useful in her own home in Grange, and the chief joy of my life is to spend two weeks each summer as her honored guest. To my grandson I am, for the time, the best and greatest man who ever lived. He will be older, and know more bye-and-bye.

Perhaps I shall be young again, and happy again, and in the presence of my heart's dearest, bye-and-bye.

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A Bicycle for Land and Water.

Frenchmen of late have carried off the palm in the line of inventive genius. They are far ahead of all competitors in the production of horseless vehicles, and their latest is a Bicycle for use on land and water. The improvement has been patented by a Frenchman living in New Orleans. The illustration shows the inventor on his wonderful machine. "The wheels are preferably of copper, their side plates inclosing a large central air space, as shown in the sectional view. The rear wheel, forming the drive wheel, has on its sides lateral blades to engage the water when the bicycle is so used, and its felly is toothed to enable it to take hold of ice when the rubber tire, which is only designed for land use, is removed. To hold the bicycle upright when used in water, side weights are connected by suitable bails to the wheel axles, but when the machine is used on land these weights are raised by chains which pass through a tube depending from the frame bars, links of the chain engaging a stop or pin to hold the weights raised. The saddle of the machine is of a form designed to prevent the water from splashing up against the rider, and has at its rear end a lateral mud and water guard."



They Endorse the Ladder.

The Bicycle Step Ladder Co., No. 50 State Street, Chicago, have reason to believe that they have a very popular article in their Bicycle Step Ladder. We are permitted to quote from a few of the many letters in the same strain that they have received:

Rock & Hoffee, boots and shoes, Malvern, Ohio, in remitting for their ladder write: "The Bicycle Ladder is very satisfactory and works like a charm."

M. A. Cox & Co., shoes, Seattle, Wash.: "Enclosed find draft in payment of our bill. The Ladders are up and been used about a week. They are very satisfactory and work like a charm."

Jas. Mahoney & Co., general merchants, Greenville, Tenn.: "We herewith hand you check for amount due for our Step Ladder and truck. To say we are highly pleased with the outfit does not do the subject justice. We would not be without them for ten times their cost."

Trimble, Magill & Co., general merchants, Seymour, Mo.: "We are greatly pleased with our Ladders recently received."

Hull, Fitch & Whitacre, wholesale saddlery and Hardware, Oscaloosa, Ia.: "We enclose you herewith draft for amount of your bill in full. We want to say for your Ladder we have given it a thorough test and pronounce it first-class. No store is complete without it."

A. H. Brewer, shoes, Delphi, Ind.: "We are well pleased with the Step Ladder and would use no other kind."

Theo. H. Olsen, shoes, South Norwalk, Conn.: "My Ladders are in position, and I am more than pleased with the way they work. I have only used them four weeks thus far, but would not dispense with them for four times their cost."

Kahler & Co., the leading shoe merchants of Des Moines, in a letter to one of the leading shoe journals, writes: "We have 10 Bicycle Ladders in use and think them the best thing on earth in the way of a Ladder for a shoe store."

General Store Co., Warren, Wis.: "We enclose order for Bicycle Ladders for balance of our store. The one sent us works like a charm, and we are anxious to get the rest in."

M. Shryock & Co., general merchants, Warrensburg, Mo.: "The two Ladders complete arrived all O. K. and work very nicely. Do not see how we could possibly do without them."

A. Forney & Co., shoes, Bowling Green, Ohio: "Enclosed please find draft in payment of bill for Ladders. We have the nicest store in this part of the State, and your Ladders are a perfect match."

Keogh & Morris, boots and shoes, Quincy, Ill.: "We send you herewith draft for Ladders. We are well pleased with them and would not be without them for anything."

Geo. Rock & Son, boots and shoes, Paducah, Ky.: "We are highly pleased with our Ladders. They work like a charm."

A Hardwareman Ends His Life.

William A. Reed, a Hardware dealer doing business at No. 229 Bowery, New York, recently took his life by shooting himself at his store. The failure of the Electrical Specialty Co., of which Mr. Reed was president, and other business troubles, are supposed in a measure to have influenced the fatal action, although these difficulties were not deemed of sufficient gravity to be held wholly responsible. Mr. Reed was of a moody and foreboding temperament, and his life was to a certain extent blighted by his father's death, which was caused in the same manner as his own. He was fifty-two years old, and in 1863 found employment with Nathusias, Kugler & Morrison at the store in which he ended his life. In fifteen years he became a member of the firm, the name then being Casseber & Reed, and later Reed & Auerbacher. Mr. Reed's fortune steadily increased, and he was happily wedded, having three children by the union. He was in a bad humor over the business difficulties mentioned before, and when on the day he killed himself the cash account of the store refused to balance, his irritation increased and he declared that the error must be discovered. The error was found by Mr. Auerbacher, his partner, and Mr. Reed went home apparently much relieved. After dinner he left his home in Brooklyn, telling his family that he intended to return to the store and open a new journal. At a late hour he had not returned, and his family became alarmed, and his son William with a friend came over to the store to find him. The door was locked, and when broken open by a policeman, Mr. Reed was found dead upon the floor shot through the temple.

At a meeting of the Mechanics & Traders Exchange, No. 289 Fourth Avenue, New York, held September 3rd, an amendment to the by-laws was adopted, which provides that any person identified with the building industry desiring to avail himself only of the privileges of the floor of the Exchange and appurtenances thereto, may, on payment of $12 per annum in advance, become entitled to these privileges. A floor member has the same advantages as a regular member, excepting that he cannot vote at meetings, nor be an officer in the Exchange, nor share in any of the funds or property thereof.

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BICYCLE PROPHECIES FOR 1896.

DEMOREST MFG. CO.

EDITOR HARDWARE: In reply to your letter, would say that any information we could give you on the number of bicycles that will be manufactured in America next year would be very unreliable, as it is impossible to form an approximate estimate of the number of wheels that will be turned out, owing to the fact that those asking for prices on 2000 or 3000 wheels from us ask the same question of almost every other manufacturer, and those computing the combined inquiries are liable to overestimate the number. Another thing, people asking for prices on 1000 wheels will only order 100.

We believe that the price on all good wheels will remain the same, but we think, no doubt, a lot of lower-priced stuff will be put on the market, which will be very unsatisfactory to the buyer who will be tempted by the low price to buy them.

We are beginning work on our '96 output, and expect to have a number of wheels ready by November, to catch the Christmas trade, which is becoming more and more a factor in this line of business. The man who has the '96 model ready for delivery by Christmas, we think, will get quite a good trade; as it is, we have taken orders for over 7000 for delivery in January, and will be very busy or we would like to give you an article now and again, but under the circumstances you will have to take the will for the deed. Believe us, we are,

Yours very truly,

DEMOREST MFG. CO.

Williamsport, Pa., October 29, 1895. Hugh McDonald.

O. J. FAXON & CO.

EDITOR HARDWARE: Replying to your favor of recent date, would say that in our estimation the number of bicycles manufactured in America for the season of 1895 was on or about 500,000, but in '96 we think the output will be about one million. The number of sales that are in the market for the Hardware trade we should judge about one-third of this number. The price in general will be about the same as in the past, but we do not think that the bicycle industry will be overdone owing to the lack of high class automatic machinery. We will make a specialty of the Hardware trade this season, as we have been many years in the "swim." Yours very truly,

Boston, October 18, 1895. O. J. FAXON & CO.

EDW. K. TRYON, JR. & CO.

EDITOR HARDWARE: In reply to yours, we make the following replies to your questions asked therein:

As close as we can judge, the product of bicycles for 1895 will be between 500,000 and 750,000. We think had there been an ample supply of parts the number would have reached 1,000,000, but this scarcity of parts has reduced it considerably.

We think, owing to the increased facilities and the early start in the manufacture of bicycles for 1896, that there will be fully 1,000,000 manufactured next year.

As to the question of over-production, of course this might occur, but judging from last season we think it is a good way off. We anticipated this over-production at both Cycle Shows last year; in fact, all the exhibitors thought it would occur about June, but it proved to be the reverse. If the manufacturers can procure the parts at the beginning of the season, there will be an over-production, but we have our doubts as to whether the market can produce sufficient parts for wheels to be manufactured in excess of the wants.

The manufacturers of bicycles cannot very well reduce the price of their wheels in 1896. Many of them are making cheaper grades; but the material has been cheapened in order to meet the price. Bicycles with a standard reputation will not be reduced any in price, as materials to-day cost more, and labor is also advancing very rapidly. The retail price of bicycles now is about what we would call right, and is within the means of every person who is inclined to purchase.

Now, in reference to where the wheels are marketed, we might say that quite a number of our agents are Hardware dealers, and although this class of trade has been slow to take up the bicycle business, yet they are beginning to realize that it is part of their business, and are taking hold of it much more readily than they did. The same thing applies to carriage dealers and jobbers. We can remember an instance where the individual rider had absolute control of the sale of almost all the bicycles, but the jobbers taking hold of the bicycle business is fast placing it in the hands of responsible and legitimate parties. This they have succeeded in doing, and to-day the bicycle business is in the hands of dealers instead of individual riders without standing, as it was originally.

Yours truly,

Philadelphia, October 11, 1895. E. K. TRYON, JR. & CO.

INDIANA NOVELTY MFG. CO.

EDITOR HARDWARE: We have noted with interest your estimates as to the Bicycle production for 1896. We think that we are in position to make a good guess on this subject, for the reason that we are the largest wood rim makers in the country. We are confident that the product will reach fully 1,000,000 in 1896, and judge this from the orders placed with us.

INDIANA NOVELTY MFG. CO.,
Geo. H. Thayer, Jr., Secretary.

Plymouth, Ind., October 26, 1895.

A. W. GUMP & CO.

EDITOR HARDWARE: We have yours of the 5th and note your inquiry concerning the bicycle output for 1896. While we, ourselves, are not manufacturers, we are hardly in position to give you the information desired, although from our past experience and our knowledge of the bicycle business, we think there will be manufactured during the season of 1896, between 500,000 and 600,000 machines. We should judge from 350,000 to 400,000 machines were manufactured during the season of 1895, and about one-half of this amount was marketed by the Hardware trade. Net prices for the season of 1896 will be about the same as 1895.

Trusting the above will be satisfactory to you, we remain,

Dayton, Ohio, October 7, 1895. A. W. GUMP & CO.

CRIBB CARRIAGE CO.

EDITOR HARDWARE: Replying to your favor of the 5th, with reference to the bicycle trade for the coming season, it is our opinion that there will be 750,000 wheels manufactured in the market for the season of 1896. We estimate that there were between 500,000 and 600,000 during the past season of 1895.

In regard to the number of wheels marketed by the Hardware trade last year, we could not give you any reliable estimate as our sales were made mostly through agricultural dealers.

In regard to prices, there is no question that high grade wheels will cost more to build, as the material used in their construction has advanced considerably. While they will not cost consumers any more, the manufacturers will have to be satisfied with a small profit, especially those who build them in large quantities.

There will, no doubt, be a reduction in the cheaper grade

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of wheels owing to the increased demand for them and the better facilities to turn them out in quantities.

Very respectfully yours,

Milwaukee, Wis., October 7, 1895. CRIBB CARRIAGE CO.

PALMER PNEUMATIC TIRE CO.

EDITOR HARDWARE: We are duly in receipt of your favor, but not being in the bicycle business, we cannot give any information upon many of the questions in your letter. In regard to the number of bicycles that will be manufactured in the United States the coming season, we have been advised that the number will reach one million, and from the business we are getting for 1896 deliveries, we do not consider the estimate an extravagant one.

Yours very truly,

Chicago, October 10, 1895. PALMER PNEUMATIC TIRE CO.

ARIEL CYCLE MFG. CO.

EDITOR HARDWARE: Yours of the 5th inst. is at hand. In reply will say that we have no means of knowing how many wheels were manufactured the past year, and have not ventured upon any estimate of the number to be made next season. Ours is a comparatively small factory, making a very high grade article. Our sales for 1895 were between three and four thousand, but we expect to increase this to five or six next year, and already have over half our product sold. We are not anticipating any decline in prices for high grade wheels, and it does not seem that the industry will be overdone next year. In proof of this will say that we have no traveling men soliciting orders, and where contracts have been made, have been made from the office at practically the same prices as last year, and in some cases better.

Yours very truly,

ARIEL CYCLE MFG. CO.

Goshen, Ind., October 11, 1895. E. W. Hawks, Secretary.

Oliver Ames.

Ex-Governor of Massachusetts, Oliver Ames, passed away after a lingering illness at his home in North Easton, Mass., in his sixty-fifth year. Mr. Ames was prominently associated with the financial and railroad worlds, and his career as a politician in Massachusetts was particularly bright, he having served as State Senator, Lieutenant-Governor, and later as Governor. He took a decided stand against the McKinley tariff law. Early in life Mr. Ames learned the art of making shovels in his father's factory, and being of an inventive turn of mind, he patented several processes that simplified the work and lessened the cost of production. He also enlisted in the State militia, reaching the rank of lieutenant-colonel. As a private citizen Mr. Ames was of a generous and lovable disposition, giving largely to charities and respecting the religious and political views of others. He was married in 1860 and his wife and six children survive him.

Sootene Scores Again.

Edmund V. Salaman, of London, England, has been here during the past two weeks for the purpose of concluding arrangements for the representation in the United Kingdom of some of our leading manufacturers. Mr. Salaman was appointed London manager to Lever Bros., Limited, of Port Sunlight, on the first introduction of their now world-famed Sunlight Soap to the market, and later on the management of their Continental trade was also entrusted to him. He has lately resigned his appointment with them in order to create a business of his own as manufacturers' agent. The Sootene Co. of New York have entered into an agreement with him for the introduction of their product into Europe. In Mr. Salaman's hands, with his well-known skill and energy, and his large experience, the success of Sootene abroad is practically assured.

HARDWARE is printed for men now on earth.

As to Bicycle Guarantees.

EDITOR HARDWARE: I note in your issue of October 10th, questions asked some of the manufacturers of bicycles, and some of their replies, giving estimates as to the number of wheels which will be made in 1896, opinion as to prices, over-production, etc., etc.

I notice that one of the manufacturers goes beyond the questions asked, and gives the Hardware dealer some information as follows: "The bright, far-seeing Hardware dealer will buy his bicycles direct from the maker, and handle them under the maker's name, even if he is obliged to pay a slight advance over the jobber's price on an unknown product. Manufactured possibly by a maker who has never had any experience in the business, as makers who have had experience do not have to sell their wheels to jobbers under other names than their own. The main object in selling wheels without the name of the maker, is to avoid a guarantee, and this is just the point that Hardware dealers should look to, and take careful pains that he gets good goods direct from the maker at least with the maker's name on them."

This information will probably give the Hardware dealer to understand that the wholesale houses from whom he has been buying his goods for probably twenty years are irresponsible, and trying to sell them something in the line of a bicycle under their own name that is made by a new and inexperienced maker, and is not guaranteed.

The facts are, some of our best manufacturers now sell jobbers only, and every Hardware dealer will readily admit that a wheel bought from a jobber has a double guarantee, that of the manufacturer to the jobber and the jobber to the dealer. In this way the jobbers selling him other lines of goods is obliged to see that a good liberal guarantee is not only given, but lived up to, and a jobber buying a large number of wheels can get a more liberal guarantee than a retailer, and more concessions which would not be considered by a factory selling a small dealer.

Again, any wholesale Hardware house knows that they can buy goods closer when not to be sold under the maker's name, on which so much money is spent for advertising, thus enabling him to sell the same bicycle cheaper than otherwise.

The jobber should be a good judge of bicycles if he is competent to run a business, and he is not to be credited with placing his name on an inferior article.

As a rule, it is advantageous to the Hardware dealer to buy from the jobber who has a good line of wheels, including juvenile, cheap, medium and high grades, for in buying from one house he can place larger orders and get better prices, bunch shipments and save freight, also get better accommodations and treatment than by buying from three or four different houses.

Trusting I have not intruded on too much of your valuable space, I have the honor of remaining,

Yours very truly, A READER.

October 21, 1895.

J. W. Shipman & Co., South Boston, Va., have discontinued business at that point, and removed elsewhere. R. A. Penick & Son, wholesale and retail Hardware, plows and castings, at the same place, report the business far more active than ever before known at this season of the year, and that the outlook is very flattering. They have recently gone into the wholesale business in their line, and would be glad to receive price-lists, catalogues, etc.

Two and one-sixth pounds of 24-carat gold, in the form of the Morgan & Wright slab, will go to W. W. Hamilton, of Denver, Col., unless some one betters his unpaced mile in 2:05 2-5. He made this time a few days ago on a "Syracuse" at Denver.

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Comments on "Hardware's" Figures.

The Cleveland (Ohio), *Leader* in a recent issue comments as follows on the bicycle figures recently collected by HARDWARE:

"The trade journal, HARDWARE, has been getting the opinion of leading manufacturers of bicycles concerning the number of 'wheels' that will be made and sold in this country next year. The estimates vary a good deal, but they show beyond doubt that the business will reach immense proportions, and that more money will be spent for bicycles in 1896 than in any other year since the first old-fashioned high wheels were made.

"The figures given by the different authorities consulted by HARDWARE, range all the way from 600,000 to 1,000,000. The weight of evidence seems to be in favor of an output of about 750,000 bicycles. That will be an increase of, say, 300,000 over the work of the 'bike' factories this year, and it will not fall very short of increasing the number of bicycles in use by fifty per cent. It is clear that the making and riding of wheels is to go on in 1896 at a rate never before known in the United States.

"The general opinion is that there will be little or no change next season in the price of bicycles. The machines are selling so well to dealers, at good rates, that the manufacturers have no reason for cutting prices materially, and the retailers will hardly lower their prices as long as they have to pay as much for their wheels as they have been obliged to in 1895. It is believed by both manufacturers and dealers that the demand will be altogether the best ever known, and that there will be no trouble about selling bicycles at good figures. If the prices at which wheels sell next season should be held at about the same level that has been maintained during the year now closing, the average cost to the consumers of the 750,000 bicycles which are to be put on the market may be estimated at about $50,000,000. It is not likely to fall much under that limit. Certainly $40,000,000 is an inside figure for the lowest possible cost of the bicycles which will be sold in 1896.

"That sum is big enough to make a very material difference in the other expenditures of the people who will use their money for bicycles. Most of the men and women who will purchase the new wheels of '96 will be persons of moderate income, to whom the $50 or $100 that a bicycle costs means a good deal of money. They will naturally save in other directions, and it is not strange that the tobacco manufacturers complain of a serious loss of patronage as a result of the great and growing popularity of bicycles. The livery stable keepers are in the same boat, and the horse-breeders, the carriage manufacturers, and the proprietors of various places of amusement all suffer more or less.

"It is not a question of economy alone. The enthusiastic riders of bicycles begrudge the time which it would take to patronize many of the business men who formerly profited by their trade. They haven't time to smoke so much as they formerly did, and the use of horses and buggies does not tempt them at all. Excursions by train or boat do not invite them as such outings did before they began to ride their beloved 'bikes.' So the bicycle strikes at the prosperity of various enterprises with more force than it would if its cost were the only factor to be taken into account. Its influence upon trade and industry cannot be fully estimated merely by the absorption in wheels of enough money, in a single year, to buy 10,000 houses and lots worth $5000 apiece, or 200,000 horses and buggies at an average price of $250. Meanwhile, not only the makers and sellers of bicycles, but the keepers of roadside inns, the gum manufacturers, and, perhaps, the surgeons, find in the immense popularity of the bicycle just what they have been looking for to tone up business these many years. But if the men who set fractured bones have cause to thank the bicycle for custom, it is not so with the doctors whose specialty is dyspepsia. The riders of wheels eat, drink, and are merry, and there is nothing to show that they die to-morrow any more than other people."

The Lovell Bicycles.

The John P. Lovell Arms Co., Boston, have issued, under date of October 22nd, a letter to their agents, in which they say: "Realizing that the call for our Lovell bicycles has been steadily increasing, and finding, during past seasons, that it has been impossible for us to have manufactured a sufficient quantity of wheels to supply this demand, with the facilities then at our command, some important and decisive action on our part was necessary, in order that we ourselves might directly meet the wants of our trade. With this end in view, after careful consideration, we decided to increase our facilities, and, early in the season, we purchased and equipped a new plant, supplying it with all the latest modern machinery, tools, etc., thus making it possible for us to manufacture our bicycles under our own personal supervision, and in such quantities as will enable us to serve our agents with the promptness and attention they justly deserve. Our production will consist of the famous Lovell Diamond and Excel wheels, comprising a complete line of ladies' and gents', boys' and girls', which will enable you to supply the needs of your trade. Advance lists, particulars, terms, etc., will be ready shortly and will be furnished upon application."

How Mrs. Wm. Henry Makes Money.

"I have been so successful in the past few months that I feel it my duty to aid others by giving them my experience. I have not made less than $18 any day for the last five months, and have not canvassed any. I put a notice in the papers that I am selling the Iron City Dish Washer, and people send for them by the dozen. They give such good satisfaction that every family wants one. Dishes washed and dried in two minutes. I think any person can easily clear $10 a day, and double that after they get started good. I don't see why anyone should be destitute, when they may just as well be making lots of money if they try. Address the Iron City Dish Washer Co., No. 145 South Highland Avenue, Station A, Pittsburg, and they will give you all instructions and testimonials necessary to succeed." *Southern Christian Advocate.*

Increase of Lufkin Rule Plant.

The Lufkin Rule Co., Saginaw, Mich., on account of their increased and growing business, have been compelled to increase their capacity, and have just let a contract for a large brick addition to their factory. The trade evidently appreciate the efforts of American manufacturers who try to make, and succeed, in making goods that are superior to foreign goods. The new line of Metallic Tapes that they have put on the market is finding ready sale along with their large line of Steel Tapes. Their Eastern trade has especially increased on account of their carrying a full line of goods at their New York store, No. 2½ Murray Street, which is in charge of H. G. Hollis, and from where they are enabled to serve Eastern customers very promptly.

A valuable mica mine has been discovered on Kettle River, St. Louis County, Minn. The locators are W. R. Miller, of Biwabik, and P. H. Tetrault and James Flinty, of Ironwood, Mich. The vein is embedded in sandstone and granite walls and gives promise of an exceptionally rich find. The work of development is being pushed, and already specimens are being mined in which the sheets will measure six by eight inches. A company has been organized and the necessary capital forthcoming. The owners of the mines have made arrangements in Chicago for a market for all their product.

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RECENT TRADE PUBLICATIONS.

The Magnolia Metal Co., No. 74 Cortlandt Street, New York, have gotten out a handsome publication fully describing the merits of their famous products, Magnolia Anti-Friction Metal and Camelia Bronze Journal Bearings. The cover of the catalogue is of heavy ribbed white paper, tastefully tied with a tasselled red silk cord. The manufacturers say that "the sales of Magnolia Metal for the year 1891 were about 22½ times as great as the combined sales for 1886 and 1887; and the sales for 1892 exceeded thirty times the business done during the years 1886 and 1887; and the sales for the year 1893 to 1894 were 12 per cent. greater than any like period, and from 1894 to 1895, the sales were 33⅓ per cent. greater than any previous period. These last results were attained during a period of the greatest commercial depression ever known in this country." The company further state that Magnolia Metal is adapted for steamship, railroad, dynamo, rolling mill, high speed and heavy engine, saw mill, cotton mill, paper mill, and for every other class of mechanical bearings. The following are the directions given for using the metals: Melt in a clean ladle or pot, and stir thoroughly. Do not mix with any other material. Heat the metal sufficiently to flow freely, but avoid extreme heat. When hot enough to brown a dry white pine stick, and when it trembles in the hand, it is ready for pouring. It is best to take the chill off the backing of the bearing into which the metal is to be poured, before pouring. If practicable, it would be best in pouring to have the face of the bearing down. Magnolia Metal should stand above and not be flush with its backings, and it can be peened as hard as desired, if you begin in the middle and strike the blows lightly at first, increasing the strength of the blow until the metal is sufficiently hammered. In close bearings keep snug, but do not key down too tight. The metal can be used over and over again with small loss of good qualities: but would suggest addition of fresh metal with each new melt.

P. & F. Corbin, New Britain, Conn., the well known manufacturers of Hardware, have recently published their catalogue for 1895. It is a large volume of nearly 700 pages, handsomely bound in dark brown morocco, the edges of the leaves being colored an olive green. The name of the firm is stamped upon the cover in gold letters. Accompanying the catalogue is Price List No. 1, under date of September 18, 1895, containing the prices of the goods illustrated in the catalogue. The price list is indexed by numbers, and by finding the number of the article, in the catalogue, of which the price is required, one is easily enabled to find it in the price list. The frontispiece of the catalogue shows the extensive factories of P. & F. Corbin at New Britain. On the following page is a fac-simile representation of the first catalogue issued by the firm in 1852. The illustrations, which are very numerous, combine mechanical value and artistic beauty. Some of the articles represented are as follows: Butts and hinges of almost every kind and finish, bolts in a great variety, letter box plates, in plain and ornamental designs; door bells and pulls, electric push buttons, mouth pieces for speaking tubes, catches for doors, screens, refrigerators, etc., casement fasteners, latches, door handles, locks, door pulls, push and pull plates, drawer handles and pulls, sash patterns, sash lifts, shutter hooks, bird cage and many varieties of hooks, pulleys, hand rail and shelf brackets, ornamental letters, door knockers, saw sets, match safes, liquid door springs and checks, locks, knobs, escutcheons, door plates and keys.

The Withington & Cooley Mfg. Co., Jackson, Mich., have issued and distributed an elegant illustrated catalogue, displaying their large line of farm and garden tools and implements. The company say that it is their aim to improve the grades of their goods when possible, and that they exercise a constant vigilance over material, workmanship and design, that there may be no deterioration in the quality of their products. The regular first quality steel goods are designated W. & C. grade; the seconds are designated B. Norris & Co., and the P. & W. quality of forks are a cheaper grade of goods. They further say: "Our catalogue for 1895-96 is late, but it is now here. 'Old things are passed away. All things are new.' The numbering is new, the list prices are new, the discounts are new, the telegraphic code is new, several of the tools are new, shops and machinery are largely new and some of the foremen and office staff are new; but the company and its management are old and reliable. The system of numbering is a system, instead of being made up of arbitrary numbers, and a little study of the key will enable both buyers and stock men to soon identify the goods with the numbers. They will be much easier remembered than arbitrary numbers. New tools will be found on pages 10, 17, 18, 19, 23 and 47. It will be of advantage to buyers, stockmen and salesmen, not simply to glance through the catalogue, but to study it. Our customary invitation of orders has been so largely anticipated, we have instead of it to thank our customers for those which, with their characteristic shrewdness and foresight, they have already placed with us for 1896."

The Mosely Folding Bath Tub Co., Chicago, Ill., have presented the trade with a handsome catalogue describing and illustrating their full line of products. The company say: "Our goods are the latest, improved and far in advance of anything before offered in this line. Constant study and intelligent labor, always improving upon the best, have made our goods a recognized standard article. The folding bath originated from natural progressive ideas and a demand for private baths. The Mosely folding bath tub answers fully this demand, and even more, being equally desirable for bath room or sleeping apartment. When placed in the latter, it gives the much desired private bath, with its many conceivable conveniences, in the most elaborate or plainest design. Where our goods are known, they have already gained public favor to a marked degree, which is daily increasing. The goods are being sold by our leading jobbers and sanitary supply houses, both in this city and St. Louis, such as Hibbard, Spencer Bartlett & Co., Jas. B. Clow & Son, Rumsey & Sikemeier Co., L. M. Rumsey Mfg. Co., etc." The Hardwaremen who wish to add a new line will do well to send for this catalogue.

We have at hand the twenty-seventh annual catalogue of the Philadelphia Lawn Mower Co., Philadelphia, Pa., for 1896. The cover is maroon in color, bearing the name of the company in gilt lettering. It fully describes and illustrates the well-known Philadelphia mowers, of which several new styles are shown. The company say: "We send you herewith our catalogue for 1896, and wish to state briefly a few points. While the cost of all material entering into the manufacture of our mowers is much in advance of last year, we have placed our orders for such an amount of stock as will run our factory full time up to January 1st, at nearly last year's cost, and shall not advance our prices before that date. We invite your attention to our large line of lawn mowers included in this catalogue, and we trust by careful inspection of it, you may see we are keeping abreast of the age in the many improvements, and watching with unrelaxed attention the interests of our cus-

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tomers. They are constructed upon the best mechanical principles, and on account of their simplicity and superior construction, are more durable, possess more useful and valuable features, less liable to get out of order, and will do better work than any other lawn mower made. We have added to our list in the past two years several new style hand and pony mowers, making a most complete line of twelve distinct styles of hand, and seven of horse and pony mowers, adapted to all kinds of trade. Our only regret is, that owing to the increased demands for our goods during the past season, far beyond our expectations, our facilities were for a while inadequate for handling the business, but our arrangements are now so complete that there will be no cause for complaint in the future."

Joseph H. Seed, Nos. 21 and 23 Centre Street, New York, is distributing an attractive sheet in red and blue, giving the prices of and illustrating some of his specialties, which include: 4 sizes of reversible self-cleansing water filters; No. 1, skate sharpener; No. 2, scissor sharpener; No. 3, knife sharpener; No. 4, gas tip cleaner; No. 5, coat, hat and bag hanger; No. 6, towel hanger; No. 7, gentlemen's mustache curler; No. 8, ladies' curling iron; No. 10, family soldering set; No. 9, gas boiling stove, and No. 11, universal cash register. We have also received from the same source a small folder descriptive of the "Matchless" self-lighting gas burner. The maker says that "this burner is made entirely of brass, with handsome nickeled stationary globe, regulating screw for gas supply, and is of superior finish and appearance. Simple in construction, durable and strongly made, it contains all that can be desired for this style of self-lighting gas burner."

We are in receipt of the 1895–6 catalogue of the T. F. Welsh Co., Boston, Mass. The company say: "We submit our 1895–6 price-list of gears, etc., with the assurance that our goods and prices will continue to meet your approval, and with our usual promptness in filling orders, shall hope to continue to share your patronage. The enclosed price-list of gears and pulleys includes those only which we carry in stock and can therefore fill all orders promptly. The sizes of holes in gears and pulleys can be made larger (diameter of hub permitting) or smaller, as desired, at an extra cost. The catalogue is fully illustrated and indexed."

We have received from the Zenith Cycle Co., Binghamton, N. Y., a sheet announcing their '96 wheels. The company say: "We present this advance sheet to the trade, confident that although young in the business, we are destined to be on top; hence we have chosen the name 'Zenith,' the highest point. We wish to call your particular attention to a few of our new, and we think, meritorious points, viz.: large tubing, large hubs, large balls, tool steel dust-proof bearings, reversible handle-bar and easily detached cranks, with material the best and workmanship the finest."

Wilson Bros., Easton, Pa., are announcing their Grinding Mills in a neat little catalogue to the trade. These mills are designed to grind shells, corn, bones, old crockery, gravel, stones and other substances that enter into the composition of egg foods for poultry. The company also manufacture clover cutters, meat cutters, corn shellers and steam engines and boilers. The catalogue contains valuable information to poultry raisers, giving several recipes for egg foods and interesting notes on fertilizers, which should be appreciated by agriculturists.

The Fox Machine Co., Grand Rapids, Mich., are in the field with a fall announcement for the bicycle department. The company, in referring to their machine, say: "The Famous Fox is a title justly earned. It is gracefully proportioned, staunchly constructed, beautifully finished and extravagantly equipped. We have spared neither time or money to make the 'Fox' the most superb and, at the same time, the most practical bicycle yet produced. Have we succeeded? Ask the riders of the Fox."

"Pointed Suggestions" is the title of a handsomely illustrated booklet published by Gara, McGinley & Co., Philadelphia, tin, slate and tile roofers and architectural sheet metal workers. It is pointed out by the company that their catalogue contains pointed suggestions and is full of valuable information for the house-owner; also hints as to the proper material, construction and care of the roof, and setting forth facts unmistakable of the art and utility of sheet metal.

F. E. Kohler & Co., Canton, Ohio, are distributing a neat booklet illustrating their large line of Hardware specialties, among which may be found anti-rattlers, bread and cake knives, can openers, curry combs, hose menders, kettle cleaners, lawn sprinklers, posthole diggers, pruning shears, planters, rakes, saw sets, snow shovels, trowels, tree protectors and vegetable washers.

The Marlin Fire Arms Co., New Haven, Conn., have recently favored us with an advance copy of their 1895 catalogue. The cover is of dark green, bearing in raised gilt letters the name of the company. It is profusely illustrated and contains comprehensive descriptions of the new forms of smokeless ammunition.

We have lately received from the Enterprise Mfg. Co., Columbus, Ohio, two catalogues, one on saw mills, engines, etc., the other on steam rollers. Both of these publications are nicely illustrated, and are gotten up in an attractive manner and teem with valuable hints to those interested in this class of machinery.

The Wagner Mfg. Co., Sidney, Ohio, have published a folder describing and giving the prices of their polished and nickel-plated hollow ware, which includes sugar kettles, tea kettles, broilers, gem pans, flop griddle pans, boilers, cast mauls, ventilator grates, etc., etc.

We have at hand the "blue book" issued by the Union Heater Supply Co., Detroit, Mich. The little publication fully describes and illustrates the various manufactures of the company, which include fire pots, paint burners for removing old paint, gasoline forges, brazers, etc., etc.

William Lyman, Middlefield, Conn., publishes an interesting and concise pamphlet on sights and rifles. It is doubtless of great value to sportsmen, as it contains explicit directions for fixing sights on rifles and shotguns, and much of interest to shooters in general.

"There's Something In It" is the title of a neat little circular that the National Cycle Mfg. Co., Bay City, Mich., are sending to the trade. It is a very attractive announcement, and fairly bristles with advice to dealers and facts about the National.

The Meriden Britannia Co., Meriden, Conn., have issued a handsome sheet describing their silver-plated toilet ware. A handsome illustration shows an assortment of hair brushes, combs, whisk brooms, etc., etc.

The Folsom Snow Guard Co., No. 178 Devonshire Street, Boston, have issued a handsome leaflet illustrating and describing their goods, and the methods of application.

McKee & Harrington, Nos. 173–179 Grand Street, New York, are distributing a folder, which gives fifteen reasons why you should buy the Lyndhurst.

The Anglo-American Cycle Fittings Co., Nos. 105 and 107 Chambers Street, New York, successors to the Anglo-American Iron & Metal Co., are sending the trade a neat and comprehensive catalogue on everything pertaining to cycle manufacture and repair.

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A New Pipe Threading Machine.

Curtis & Curtis, Bridgeport, Conn., manufacturers of all classes of Pipe Cutting and Threading Machinery, have recently brought out and placed on the market a new design of their Forbes' Patent Die Stock, which is remarkable from the fact that it is probably the largest hand die stock ever built. It is called the No. 3 D. Hand Machine, and cuts off and threads all sizes of wrought iron pipe from 2½ to 8-inch right hand. So perfect is their system of gearing that even 8-inch pipe can be cut off and threaded by a strong boy, and nearly as quickly as with a power machine. The cut which we show herewith gives a good idea of the general appearance of the machine. The pipe is inserted from the back of the machine, and is clamped by the self-centering vise attached to the machine. As the large die-carrying gear is revolved in the shell by a small pinion imbedded in the side of the shell, it is drawn towards the end of the pipe by a lead screw on its back, and the dies are thus fed to the pipe. When the required length of thread is obtained, the dies are thrown back and the pipe taken out without running back over the thread. Only three sets of dies are used for the full range of the machine, and they are all made opening and adjustable to any variations of the fittings. The machine is also arranged to cut off all sizes of pipe within its range. Experience has shown that it is much more economical to use a portable pipe machine, which can be carried from place to place and the work done on the spot, than to try to cut the pipe to measurements at a distance. For not only is there much less chance of mistakes, but much time, delay and carting saved. This machine is also fitted, when desired, with a power base and countershaft. It can then be used either as a power machine in the shop, or taken from its base and carried out on a job as a hand machine.

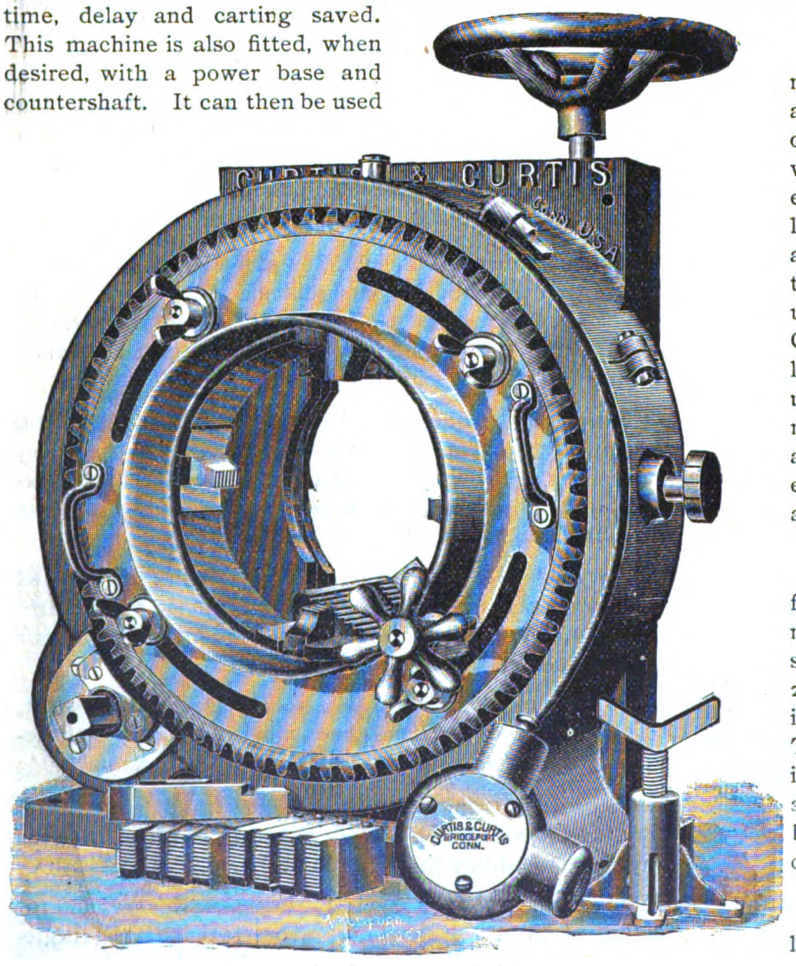


FIG. 1. NEW FORBES DIE STOCK.

A water telescope has been manufactured by the Ashland Hardware Co., Ashland, Wis., with which to search for the remains of a drowned man. The telescope is a funnel-shaped tube of tin ten feet in length, four inches across one end and one a fourth inches across the other with a glass across the other end to keep the water out. A person in the boat can insert the telescope fully nine feet into the water and can plainly see the bottom at quite a depth. Several years ago when the ore boat *Lucerne* foundered a water telescope was used in locating the wreck and valuables that went down. The Ashland Hardware Co. also made one last summer for a man who had lost his watch in the bay. A similar instrument is used in searching for coral. Even though the water may be muddy the concentration of light through a ten-foot tunnel makes things quite clear. By even chopping a hole in the ice one can see quite a depth in the water.

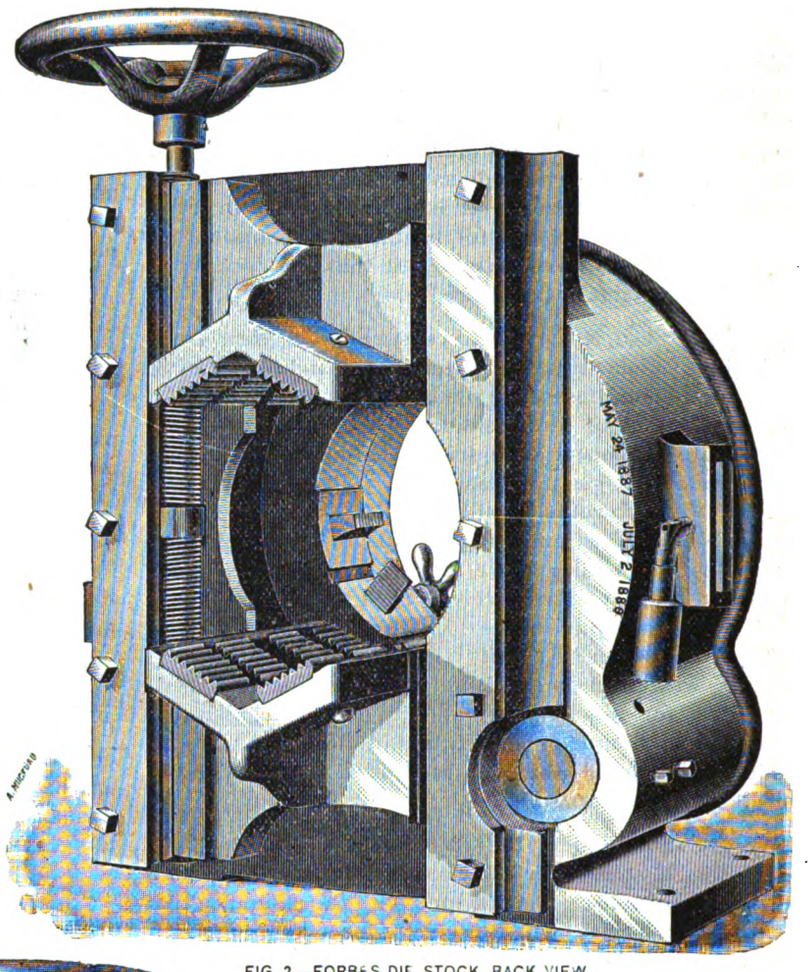


FIG. 2.—FORBES DIE STOCK, BACK VIEW.

The Berlin Iron Bridge Co. have lately completed for Wilmot & Hobbs, of Bridgeport, Conn., a new rolling mill to take the place of the one lately destroyed by fire. The main mill is 126 feet wide and 200 feet long with engine and boiler room attached in a separate wing, 54 feet wide by 90 feet long. The construction is entirely fireproof, no wood being used about the building, so the risk from fire is absolutely eliminated. The roof covering is the Berlin Iron Bridge Co.'s patent anti-condensation corrugated iron.

The shooting tournament of the Dupont Smokeless Powder Co., was recently held under the auspices of the Baltimore Shooting Association. The magnificent trophy presented by the company was won by Fred. Gilbert of Spirit Lake, Ia.

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ILLUSTRATED BICYCLE NOVELTIES.

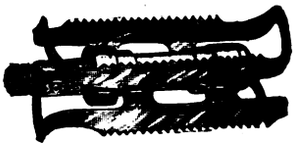
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Snell Canoe Pedal for '96.

The Snell Cycle Fittings Co., Toledo, Ohio, have recently placed upon the market a Canoe Pedal for the coming



season, as represented in the illustration. The rat trap plates consist of two pieces stamped out of solid sheet metal, turned up at the ends canoe shaped and securely riveted together. The ball bearings are referred to as including the latest improvements, cups and cones as accurately made and properly hardened, and as being readily oiled and easy adjusted. The manufacturers state that the pedal is especially designed and scientifically constructed with a view to lightness and strength, and that it is absolutely dust proof.

The Zenith Cycle Saddle.

The accompanying illustrations show the Zenith Cycle Saddle placed on the market by the Zenith Cycle Saddle Co., Disston Building, Front and Laurel Streets, Philadelphia. In Fig. 1 the saddle is shown complete, and Fig. 2 illustrates

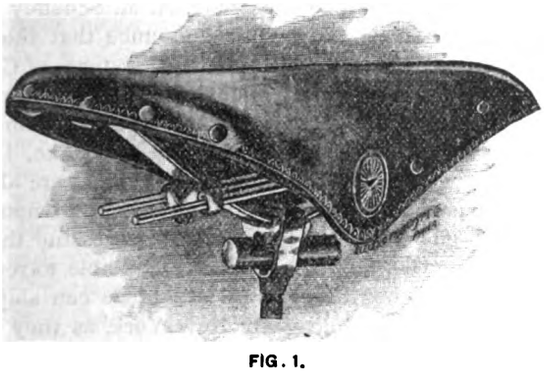


FIG. 1.

the principle of construction. No. 1 represents a U-shape spring made of tempered steel wire; No. 2 is the center bearing or swivel point of the U-spring attached to the main spring No. 5, for taking sag out of the saddle; No. 3 is an adjustable tension dog movable on the main spring, and No. 4 is the cantle hole. It is explained that the saddle may be set at any angle desired, and adjusted so that a rider may have either a hard or a soft saddle in a few seconds, without removing the saddle. If a hard saddle is desired the nut on the tension dog, No. 3, is unscrewed, and the said dog slid toward the cantle until the proper tension is obtained, when

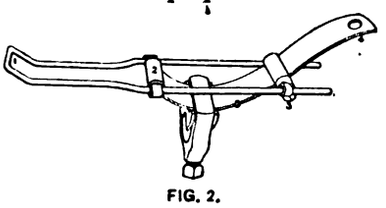


FIG. 2.

the nut is again tightened. If a soft saddle is wanted the dog is slid toward the cantle bearing and the nut tightened when the desired tension is obtained. The saddle is described as being built upon entirely new principles and is guaranteed by the makers against sagging. The saddle is made in four sizes, in weights from 16 to 24 ounces, with the leather cut lengthwise of the grain, and having full nickeled working parts.

Combination Bicycle Cleaning Rack and Holder.

Parkhurst & Wilkinson, Chicago, as selling agents for the Rochester Bicycle Combination Holder Co., are introducing the Combination Bicycle Cleaning Rack and Holder as here

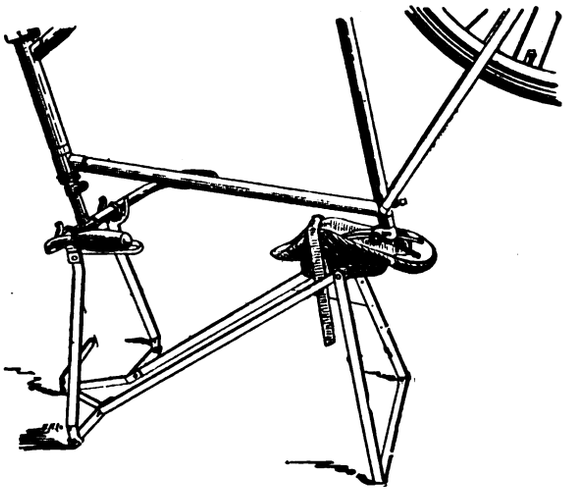


FIG. 1.

illustrated. The holder is designed for the use of those who own bicycles, and folds up flat when not in use, weighing 6 pounds. It is explained that the spread is between the handle bars and the saddle, thereby adjusting itself to any length of bar. The saddle base is pivoted and is adjustable to any size tire when holding the wheel in an upright position as in Fig. 2. It is stated that the wheel is held rigid in either position, and that when taking the wheel off while in the inverted position, Fig. 1, it leaves the holder ready to receive the wheel in an upright position, Fig. 2, with the exception of turning the saddle base, as illustrated. The strap that holds the saddle is a self-tightening buckle, it is stated, so that when once fitted to the saddle it needs no further adjustment, as the nose of the

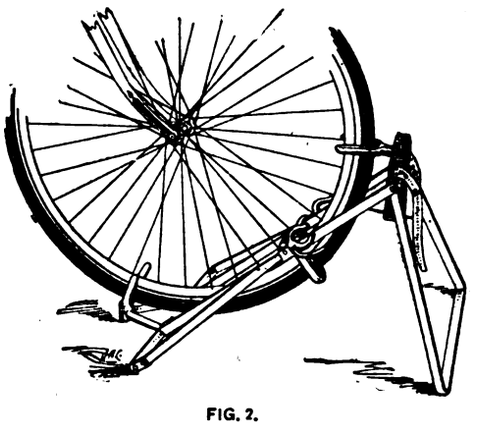


FIG. 2.

saddle goes just far enough to make the grip secure. The following claims are made for the holder: That it saves the wheel, facilitates cleaning, renders adjusting and repairing easy, economizes time, saves paint on house or porch and enamel and nickel on the wheel, and also, that it is handsome, neat, light and adjustable.

The Phillips Wheel.

The Phillips Mfg. Co., New York City, who make the Phillips Wheel, have a new idea in motor bicycles. Their circular describes it as follows: "Our motor consists of two radius-beams, fulcrumed, one on either side, to the rear of the frame. From the forward ends of these beams arms

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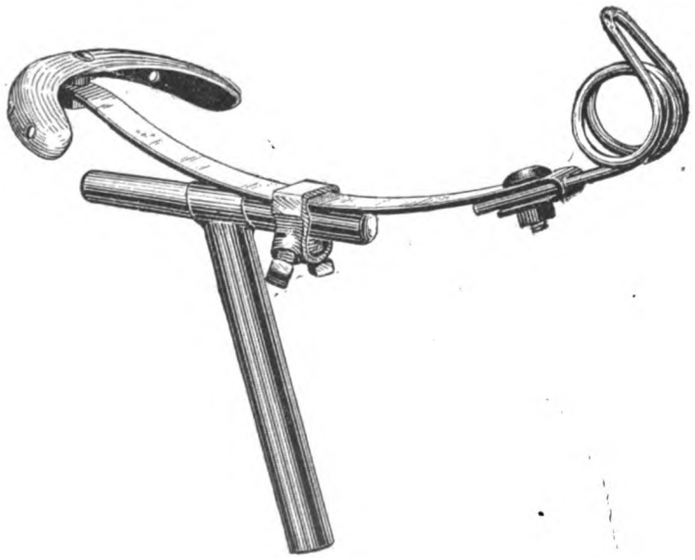
extend downward, to which the pedals are attached. At the angles formed by the radius-beams and the pedal arms driving-rods connect with the cranks. The cranks are placed, as in an ordinary bicycle, diametrically opposite to each other. All the bearings are ball-bearings. The effective power exerted upon the cranks is applied and distributed to the greatest advantage by the arrangement of



the parts described, in that at the beginning of the down stroke the pedal occupies a position in advance of the crank pin, and power is transmitted to the latter through the driving-rod from a point in rear of the pedal, hence greater leverage is exerted at the beginning of the stroke than if the pedal were attached directly to the crank. As the crank-pin advances the angle between the driving-rod and the radius-beam is increased, and a toggle-action is developed, which latter increases in power until the crank-pin reaches its most forward position and stands in substantially a horizontal plane. From this point the driving-rod gradually approaches the pedal and a perpendicular thrust is developed upon the crank-pin, the power diminishing as the crank-arm and driving-rod come into line, but before this occurs the opposite pedal has reached a point where it exerts effective power. Thus it will be seen that the dead centres present in the machine of the rotary type are done away with, and that effective power is constantly being applied throughout the entire revolution of the crank. In the ordinary machine effective power cannot be applied through more than two-thirds of the crank's revolutions. Not only is the effective power increased by our device, but the path traversed by the foot is shortened, being one-third less than if the pedals were applied directly to the crank."

Adjustable Bicycle Saddle.

The accompanying illustration shows the frame of an Adjustable Bicycle Saddle which W. W. Shoe, No. 428 Walnut Street, Philadelphia, is placing on the market. The adjustment feature is obtained by bending the end of the main spring until it is parallel with the main piece, and



passing the end of the coil spring through holes made in the bend clamping the whole with a large headed carriage bolt. To take up sag in a saddle the nut on bolt is unscrewed, the coil spring adjusted to suit the condition required and the nut again tightened. Another new feature on the saddle is the post bracket. The bracket is arranged for use without a wedge, and has two set screws, angularly disposed to hold the bracket and the saddle spring to the post. The advantages claimed for the new bracket are that where a wheel having a high frame is used the bracket allows the head of the post to come almost one inch nearer to the frame than is possible with a wedge bracket, and that where a T post is used the bracket may, if required, rest directly on the frame; that it weighs two ounces less than the ordinary wedge combination bracket, and that a main spring is less liable to break across the center, owing to the large bearing surface presented by the saddle post head. The makers claim that the majority of cases of broken springs are due to the abrupt edge of the wedge used in a combination wedge bracket.

The Cycle Grip.

D. H. Carpenter, Norwich, Conn., is placing on the market the Cycle Wrench here shown. It is made of crucible steel oil tempered, is nickel-plated and weighs only four ounces. It handles square or hexagonal nuts from 1⅜ inch down. The jaws are ¼ inch wide and having three grip-



ping surfaces on the sides, it keeps the angles of nuts in perfect shape. The maker states that it is the lightest and strongest wrench of its capacity and that its adjustment is instantaneous. The illustration shows the Wrench half the full size.

Will Handle the Featherstone Wheels.

In a recent circular to the trade, A. M. Scheffey & Co., No. 92 Reade Street, New York, announce that they have renewed their contract with A. Featherstone, of Chicago, "as wholesale distributing agents for their popular line of machines, which includes the famous Road King and Road Queen. The balance of the line are the Duke, Duchess and four juvenile machines. These machines are all popular in price and have a reputation second to none. No maker of bicycles has been more successful than the Featherstone Co., and we are glad to be able to represent such a sterling house. To our agents we can ship these wheels either from Chicago or New York, as they prefer. We will, of course, have our usual Wynnewood line, particulars of which will be given later. The Featherstone catalogue is in course of preparation, and parties interested can have a copy mailed by application."

The Geuder & Paeschke Mfg. Co., manufacturers of tinware, Milwaukee, Wis., report an extraordinarily large trade this fall on all the various lines manufactured by them. They have been running overtime in all departments since July, and even then have found it very difficult to keep up with their orders. They are especially gratified at the very handsome increase in the sales of their celebrated Cream City Flour Bins and Sifters, their total output of these goods now being fully three times as large as a year ago. Dealers in house-furnishing goods looking for suitable articles for the coming holiday trade, should make sure that the Cream City Bins are given a prominent place in their stock, as there is certain to be a large demand for them.

Barring unforeseen reasons, such as the supply of red paint becoming exhausted, the valve stems of the Morgan & Wright quick repair tires may be permanently identified by the fact that they are red. "Its stem is red" is a phrase with which the company intend cyclists shall become familiar.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

The Kleman Nut Lock.

The Kleman Nut Lock, made by the Allison Mfg. Co., Philadelphia, consists of a combination nut having a countersunk cavity on its inner face, Figs. 4 and 5, and an annular tapering divided washer, Figs. 2 and 3, fitted in the counter-

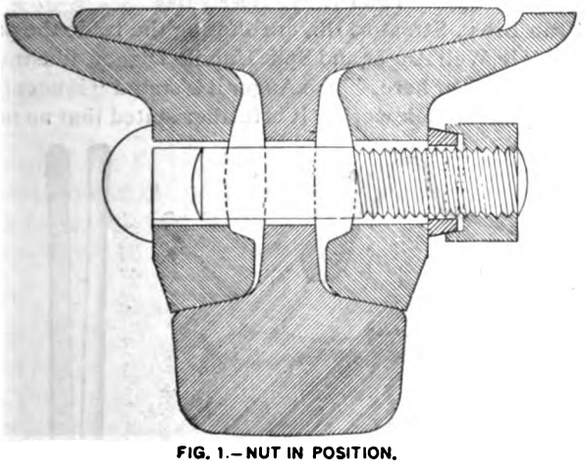
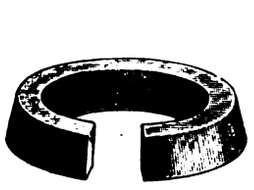


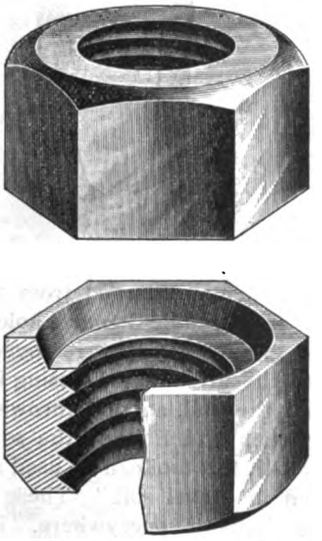
FIG. 1.—NUT IN POSITION.

sunk recess, the washer being made of a sufficient depth that when the nut is tightened on the bolt the washer will project from the recess and bear against the plate of bearing. The washer is oil tempered and made of spring steel. In applying the nut lock to use, the washer is put on the bolt against the bearing and then the nut is screwed home upon the plate until the countersunk cavity encircles the washer. Further tightening the nut will compress the washer which is around the bolt and will press against the bearing applied and cause the nut to lock on the washer, as will be understood by reference to the cuts. The nut itself does not bear against the bearings or plate applied, as the outer face of the washer does not extend to the base of the





FIGS. 2 & 3.—WASHER AND FACE-VIEW OF WASHER.



FIGS. 4 & 5.—NUT AND SECTION OF NUT.

cavity. In the nut, space is allowed for expansion and contraction of the bolt. The bearing against the plate is taken entirely by the washer, and as this is divided it will yield so as to fit easily against the plate and afford a perfect bearing, even though the plate be irregular in shape, whereas if the nut should be allowed to bear against the plate such evenness of bearing is not always attainable. The manufacturers state that the excellence of this nut lock has been shown in tests covering long periods of time, on railroad tracks, drop presses, steam hammers and other machinery subject to vibration.

Nevin's Pioneer Paint.

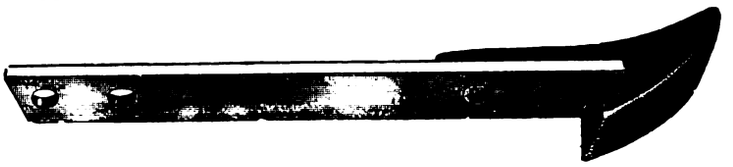
T. H. Nevin Co., Pittsburg, Pa., are putting on the market their Pioneer brand of paints. The manufacturers say: "We have manufactured strictly pure white lead under the old process since 1841. We are outside of all



trusts, and have been manufacturing the celebrated Pioneer prepared paints for over twenty years, and it has what you might say a national reputation. Being corroders of white lead we are able to put into our mixed paints a much larger proportion of carbonite of white lead, and to be able to figure our product for less money than the grinders could possibly do. The grinders have to come to the corroders for their product, and of course under these circumstances are not able to figure as close as a manufacturer could do. Pioneer Paints, as stated above, have been sold for many years, and they are guaranteed to give perfect satisfaction. They run in weight from 14½ to 16 pounds to the gallon. One gallon will cover 250 or 275 square feet of surface, two coats. Quite a variety of tints are manufactured, sample cards of which would be furnished to those interested in same. There are forty-five different shades, all of the latest tints. This paint is perfectly prepared, finely ground, pigments of the best and full measure. We also manufacture a superior article of Pioneer floor paint. This paint is especially made to give a hard durable surface to porch floors. Pioneer prepared paints are manufactured under a formula furnished us by experienced painters in the past. They are manufactured by machinery, consequently are more uniformly mixed than could possibly be done by hand."

Nickerson's Tail-Board Spring.

Dodge, Haley & Co., Boston, Mass., are putting on the market Nickerson's Tail-Board Springs, illustration of which appears here. The crucible steel spring is dovetailed into



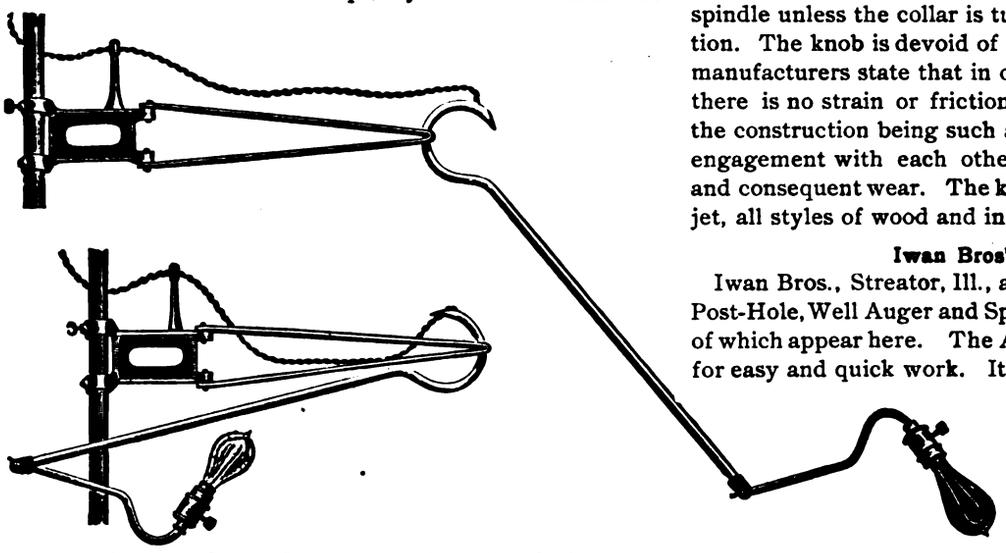
the malleable iron head, to which it is securely fastened by means of rivets. It is remarked that the spring is in the usual form, but the manner of attaching the head, the excellency of material and the economical process of manufacture, give it many advantages over the ordinary hand

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made article. The company have acquired the exclusive right to manufacture the springs, and state that they are prepared to turn them out in quantities at short notice; also that the springs will not bend or twist, but that they will come back to the proper position every time. The spring is made in seven sizes, from ½ to 1¼ inches.

The Faries Universal Lamp Holder.

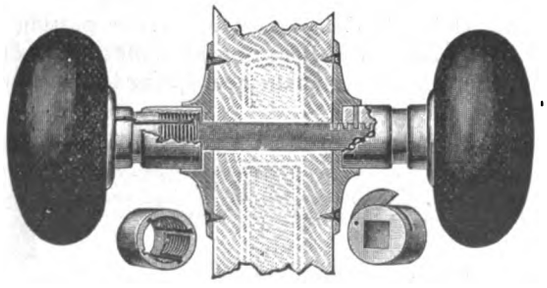
The Faries Mfg. Co., Decatur, Ill., are producing Holders for incandescent electric lamps, by means of which the



lamp can be moved exactly to any position in which it may be wanted. The illustrations herewith given show the holder provided with eyes to slip over a ¾ inch iron pipe. The combined length of all these sections is five feet, so that the lamp can be placed in any inch of the space in a circle ten feet in diameter horizontally and six feet vertically, besides adjustment up and down the pipe or post to which attached. The pipe may either hang down from the ceiling, extend up from the floor, bench or desk, or better, reach from one to the other, so as to be held at both ends and be stiff as possible. The bracket has an aperture near its outer end and through which the curved end of the arm works loosely, the arm being movable in all directions, up and down and sidewise. Although moving easily by hand it cannot slip or fall, for the instant it is released the weight cramps it.

The Whipple Screwless Door Knob.

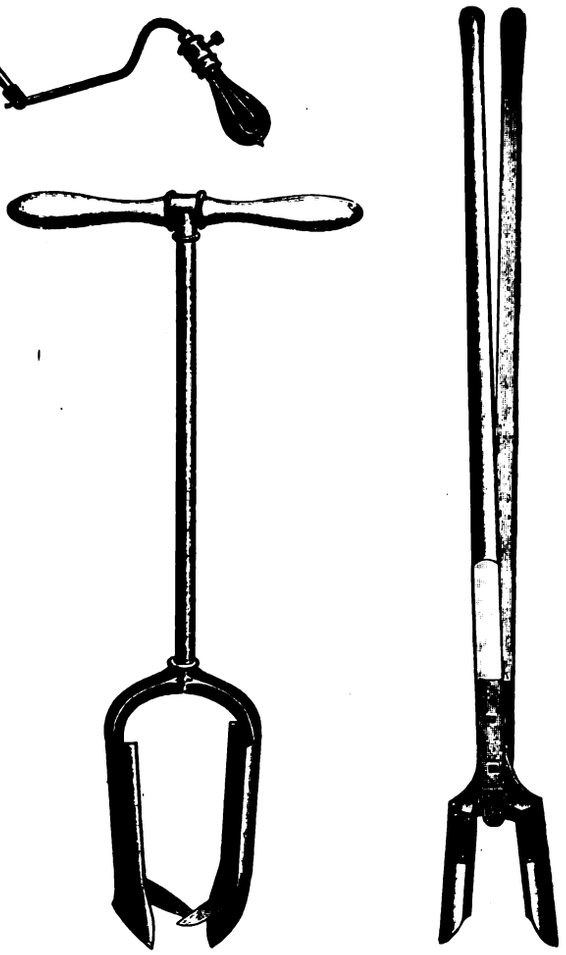
The Whipple Screwless Door Knob Co., Meriden, Conn., are putting on the market an improved form of Screwless Door Knob shown in the illustration. The left hand knob, as shown, is made fast to the spindle and is provided with a self-locking threaded collar, shown immediately below the knob. The knob is provided with a locking spring, which may be depressed by the thumb into a slot in the threaded neck of the knob. The spring when released engages with the grooves in the interior of the collar at every quarter turn of the collar. This arrangement permits of the collar being turned beyond the end of the knob neck for the purpose of adjusting the knob to the thickness of the door. The right hand, or free knob, is held in place on the spindle



by a latch, as shown below the knob in the illustration, which shuts into one of a series of transverse notches in the spindle. In operation the knob spindle having been passed through the door, the right hand knob is pushed on until the latch comes against the flange of the rose, when it is shut down into one of the notches. The spring in the left hand knob is then pressed down and the collar is turned out until it comes to an easy bearing in the rose, when the spring is released and engages with the nearest groove in the collar, thus locking the knob in position. It is explained that in adjusting the knob to the thickness of the door, the catch on the right hand knob is drawn under the flange of the rose, and that it cannot be raised out of the slot in the spindle unless the collar is turned back to its original position. The knob is devoid of washers and side screws. The manufacturers state that in operating the knob on the door there is no strain or friction on any of the working parts, the construction being such as to unite all the parts in solid engagement with each other, so that there can be no play and consequent wear. The knobs are furnished in porcelain, jet, all styles of wood and in bronze metal.

Iwan Bros'. Specialties.

Iwan Bros., Streator, Ill., are offering the trade the patent Post-Hole, Well Auger and Split Handle Digger, illustrations of which appear here. The Auger it is stated "is unexcelled for easy and quick work. It is further stated that no matter



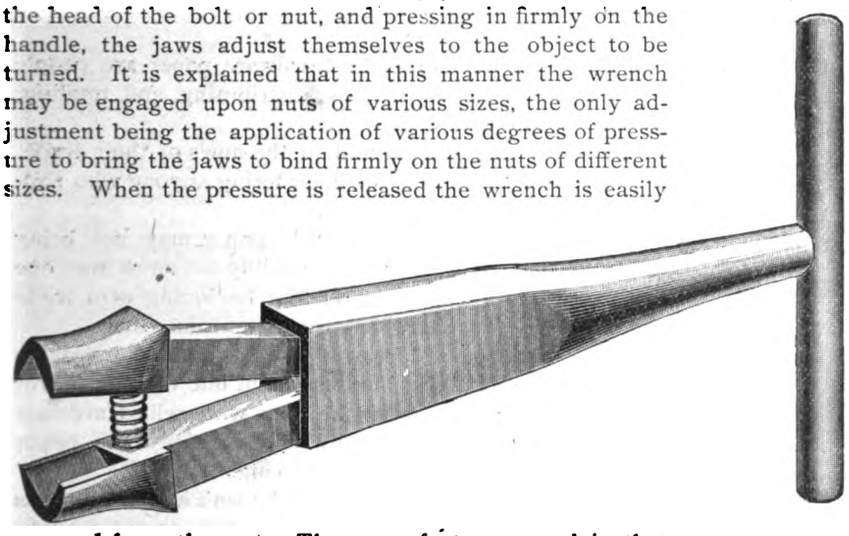
in what condition the soil may be, there is no suction when the auger is removed from the hole. It is said that with the Split Handle digger a hole may be dug in any size and the ground is easily removed: when the digger is forced into the ground and closing in on the jaws the blades will hold the soil, and by throwing the blades in the opposite direction will liberate the soil to drop out. By removing the bolt this tool can be used as separate shovels: it is often used in gravel soil." These goods are handled by leading jobbers everywhere, including Horton, Gilmore, McWilliams & Co., John Alling & Co., Wells & Nellegar Co., and Illinois Roofing & Supply Co. of Chicago; John Pritzlaff Hardware Co., of Milwaukee, A. F. Shapleigh Hardware Co. and Simmons Hardware Co., of St. Louis, Mo.

Brassell Adjustable Socket Wrench.

The Brassell Wrench Co., Boston, Mass., are offering to

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the trade the Adjustable Socket Wrench herewith illustrated. In adjusting the wrench for use it is given a quick jerk from the person using it, the force throwing out the jaws, as in the above illustration. By pressing the jaws on the head of the bolt or nut, and pressing in firmly on the handle, the jaws adjust themselves to the object to be turned. It is explained that in this manner the wrench may be engaged upon nuts of various sizes, the only adjustment being the application of various degrees of pressure to bring the jaws to bind firmly on the nuts of different sizes. When the pressure is released the wrench is easily



removed from the nut. The manufacturers explain that the wrench will fit the various sizes of nuts and bolts in use, that it takes the place of a number of wrenches of ordinary form, and that it can be used on nuts and bolts in position where an ordinary wrench would be of little use.

Some Holiday Novelties.

As the holiday season advances, dealers cast their eyes around for attractive novelties. The Quadruped Novelty Co., Canton, Ohio, are early in the market with a line that always proves a source of pleasure and satisfaction, and at the same time provides the juvenile members of a community with a healthful form of exercise. We illustrate here the Riding Horse Tricycle, the Toy Trotting Horse, and the Spangler Cycle Wagon, all manufactured by the



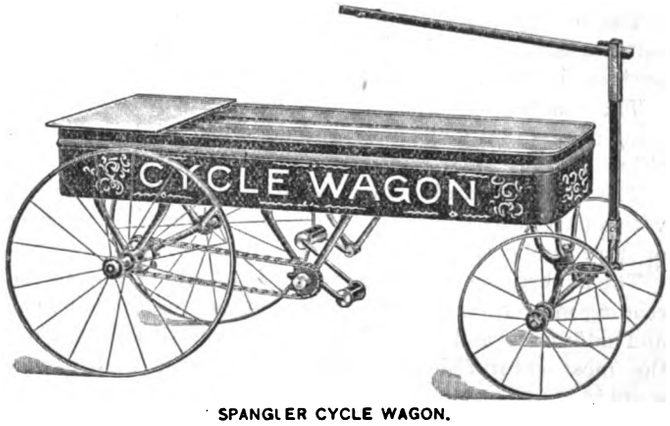
THE RIDING HORSE TRICYCLE.

above named company. The Riding Horse Tricycle is designed for children of both sexes, from three to twelve years of age, and strongly suggests that summit of juvenile desire, "a real live pony." The height of horse from head is 36 inches; the body being stamped from sheet metal, is at once exceedingly light and strong, and the mechanism for operating it, simple and durable and not liable to derangement. The wheels are rubber-tired, securing its noiseless running; and the neck being pivoted to the body, the rider guides his steed by drawing on the



TOY TROTTING HORSE.

bridle reins precisely as in the case of a real animal. The horse is propelled by the feet like the ordinary tricycle, and the legs responding to each revolution of the pedals reproduce the action of a horse in trotting. The horse is handsomely painted in the various colors found in nature; has suitable mane and tail, and is furnished with a neat saddle, bridle and neck collar. The Toy Trotting Horse is described as one of the most beautiful, attractive and durable toys for children ever introduced. It is made from the best light grey iron, stands nine inches in height, and is painted in all colors of the horse. The body is mounted on a four-wheeled platform, which, when pulled along by the child, moves the legs of the horse as in trotting. The Spangler Cycle Wagon, the manufacturers say, "is made of the best material and constructed mechanically after the most approved methods. The axles are of the best steel, with spindles milled and fitted by special machinery. The wheels are steel, reamed for neat fitting and easy bearing, and will carry with safety 300 pounds. The brackets and supports are all of the best malleable iron, carefully fitted, and the pedal cranks are of Bessemer steel, formed with dies made for the purpose. The wagon is propelled by pedals connected with the rear axle by sprockets and chain, thus providing a movement that is easy and powerful to



SPANGLER CYCLE WAGON.

propel on ordinary roads. The guiding device is simple, being a joint or hinge in the middle of the tongue, allowing it to turn back over the body, within reach, so that the rider can guide with ease and safety. The size of the body is 15x36 inches, firmly and neatly made, and painted in various colors. There is a trap lid in the bottom, which, being lifted, provides a seat for the rider, leaving an opening in the bottom for propelling. The front wheels are of a height to pass under the body for short turning."

James B. Tetley recently opened a new Hardware store at No. 4727 Liberty Avenue, Pittsburg. A full line of Hardware, tools, cutlery, etc., will be carried.

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THE BUSINESS PAPER.

BY NATH'L C. FOWLER, DOCTOR OF PUBLICITY.

The trade paper is a trade necessity.

Business may be run without it.

Business never has been run without it.

The merchant can write his letters on a barrel-head—but he doesn't.

Merchandise can be sent across the continent by mule-power, but nobody uses that motor.

I don't own a trade paper.

I never did own a trade paper.

I never expect to own a trade paper.

I have no trade paper interest.

I simply know trade papers.

I am writing what I know.

A bank president in Boston can't write more than his name, but his ignorance didn't make him a bank president.

There are men who don't read the trade papers and succeed, but so long as the ninety-and-nine read trade papers, and are successful, there is no need of discussing the peculiar composition of the one man who makes money, and reads nothing.

The trade paper is a commercial clearing house, with members entirely confined to its particular trade.

It is more than a clearing house, it is a typographical business club, and into its arena is thrown the thought of trade.

It is a printed show-room, where everything new, and everything interesting, are placed before the reader, for the reader's benefit.

The good trade paper civilizes trade—spreads trade—increases trade—makes trade honest—disarms unnatural competition, tends to raise cold-blooded business up to the fraternity of social decency.

The man who reads a trade paper may not be wise, but I never knew a fool to read a trade paper.

The trade paper reaches into general trade, and absorbs that line of business which is pertinent to the class it illustrates.

The trade paper gives to the reader that which he wants—it is a sort of sieve through which only can pass words of business interest.

The reason that trade papers carry advertising is the same reason that magazines and daily papers carry advertising.

The first-class trade paper has just as much right to devote a part of its pages to advertising as has the magazine or story publication.

The advertising in a trade paper is as interesting as the reading matter, for the advertising pages present the names and addresses and other business information concerning the most enterprising business men in the trade represented.

A man can do business without advertising in the trade paper, but the fact that comparatively few men of enterprise do not advertise, indicates that the advertisement in the trade paper has money-bringing and trade-increasing value.

The progressive manufacturer or wholesaler realizes that while the circulation of the trade paper may be small, every copy goes into the hands of a probable customer.

A paper with a circulation among one thousand probable customers is worth more than the circulation of a paper with one hundred thousand among possible customers unless the one thousand probable customers are included in the one hundred thousand possible customers.

Copyright, 1895, by Nath'l C. Fowler, Jr.

The only people who read a Hardware paper are people who earn their living, making, distributing, and retailing one particular line of goods.

They are not only interested in the news of their trade, but they are ever anxious of considering anyone who supplies the goods they sell.

The advertisement in the trade paper may not bring more than one answer a month, possibly not more than one a year, but one answer may be the beginning of a trade which will pay for the advertisement ten times over.

There are a thousand reasons why a general magazine should not be read by business men, but the sun never shone upon a reason why the man who sells Hardware should not read systematically and carefully the paper which represents the trade of his living.

He reads the trade paper, and as he isn't a fool, he reads the advertising pages as carefully as he reads the reading matter, for the business man knows that the advertising pages will present to him ways and means of increasing his business, and of making more money.

The man who does not believe that people read trade paper advertisements is advised to print at the bottom of his advertisement, in the smallest possible type, the statement that he will present a yellow dog, or a rosewood piano, to any reader of the paper who sends for it.

The best advertising in the world is the advertising that strikes men squarely between the business eyes.

The trade paper contains nothing but business—it is the one great business-bringer of wholesale publicity.

There is something the matter with the business man who can't build business better with the business assistance of business papers.

After lying forgotten in a garret for over thirty-one years, the old iron handcuffs which were worn by John Brown during his confinement in the armory at Harper's Ferry, were recently brought to light in Benton Harbor, Mich., by Daniel Litzer, a former resident of Harper's Ferry. They came into Mr. Litzer's possession through his half-brother, Asa Maysteller, who had charge of the armory while John Brown was held to await the arrival of the sheriff.

Electricity is now used to detect paste diamonds from the genuine. A small disk of aluminum is attached to the spindle of a small motor. A clamp with a small flat spring, provided with an adjustable screw, holds the article to be tested. It is then moistened and placed in contact with the rapidly revolving aluminum disk. If the stone is a genuine one, it will be left intact; if it is bogus, it will show brilliant metallic marks.

The Diamond Machine Co., Providence, R. I., are to make an exhibit of their Ball Bearing Grinder and other machinery for the use of bicycle manufacturers at the Stanley Cycle show, to be held in London, England, in November.

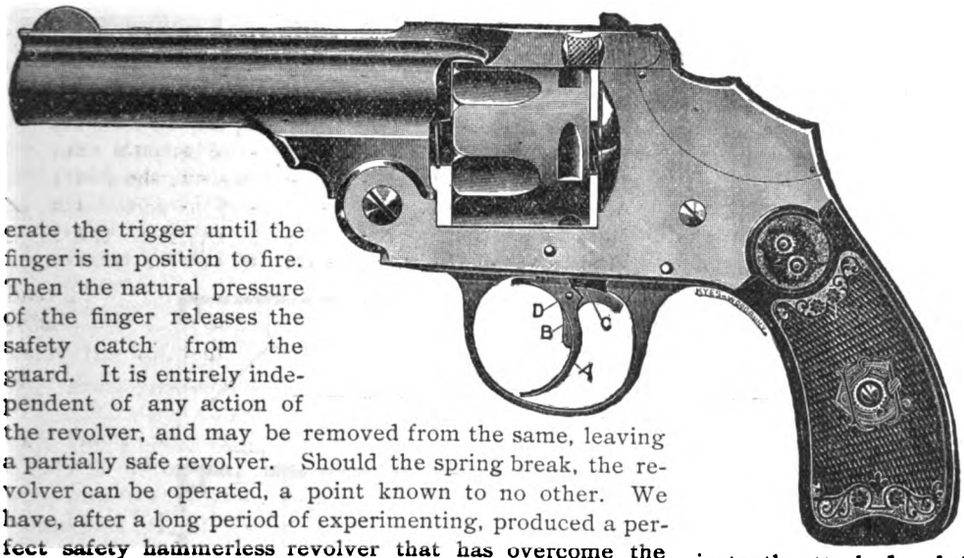
Covert's Saddlery Works, Farmer, New York, have opened a warehouse in Philadelphia, at No. 140 North Third Street, for the sale of their various goods. Allen & Miller are their agents.

The Calumet Furnace Co. are expected to stock up the nail mills of the Calumet Iron and Steel Co., Chicago, which they have leased. The works will give employment to about 800 hands.

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Iver Johnson's Safety Hammerless Revolver.

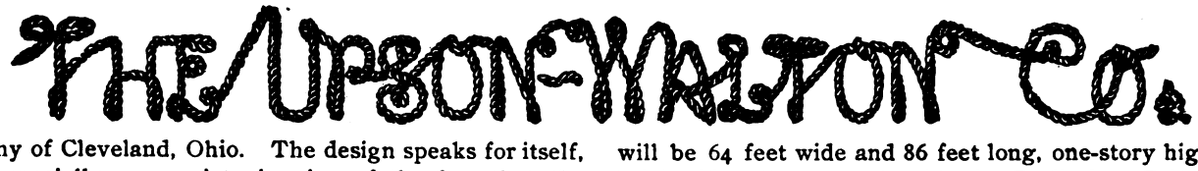
The Iver Johnson's Arms & Cycle Works, Fitchburg, Mass., are offering to the trade a new Safety Hammerless Revolver, illustration of which is shown herewith. The company, in describing the new arm, say: "Our safety catch on the trigger is best shown by referring to the cut. A, the trigger; B, the safety catch; C, the safety catch spring; D, the pin holding the safety catch and spring in its position with the trigger. Its simplicity is readily seen—the catch lying against the guard, it is impossible to operate the trigger until the finger is in position to fire. Then the natural pressure of the finger releases the safety catch from the guard. It is entirely independent of any action of the revolver, and may be removed from the same, leaving a partially safe revolver. Should the spring break, the revolver can be operated, a point known to no other. We have, after a long period of experimenting, produced a perfect safety hammerless revolver that has overcome the many disadvantages of hammerless makes. Our Iver Johnson Safety Hammerless Revolver embodies all the principal features of our safety hammerless revolver, viz.: the action, barrel catch, and rebounding lock, together with our new device for the cylinder and safety catch. This revolver steps to the front with the following advantages: fewer parts than any of its kind, an easy and accessible way to the action by a top-plate, quick and effective cylinder catch, and our new safety catch on the trigger, new in itself and the only catch that will lock the revolver safely. All the so-called safety hammerless makes lock the hammer by complicated devices arranged in such a way that, by a slight accident, the safety becomes disarranged and it is impossible to operate the revolver.



"Why should the hammer be locked and the action interfered with, when the very name—safety hammerless—designates that there is no hammer in sight, and that the hammer lies entirely concealed within the frame? Others will see this, and so did we—that the only source of danger to a hammerless revolver is the trigger—and, to overcome this, we have constructed the Iver Johnson Safety Hammerless Revolver, with our safety hammer of similar pattern to the hammer used in the Iver Johnson Safety Hammer Revolver, and placed our safety catch in the trigger, independent of any action of the revolver, operating against the guard."

An Artistic Letter Heading.

As an illustration of what may be done in the way of an artistic heading for stationery or business cards, we show that adopted by the Upson-Walton Co., a well-known

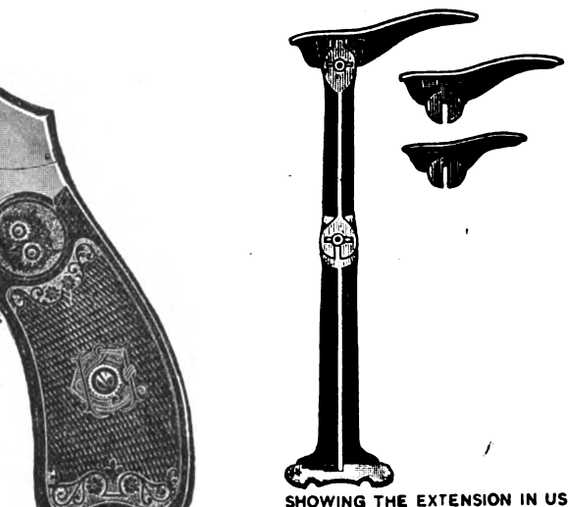


company of Cleveland, Ohio. The design speaks for itself, and is specially appropriate in view of the fact that the company are among the largest dealers in rope and other ship supplies upon the Great Lakes.

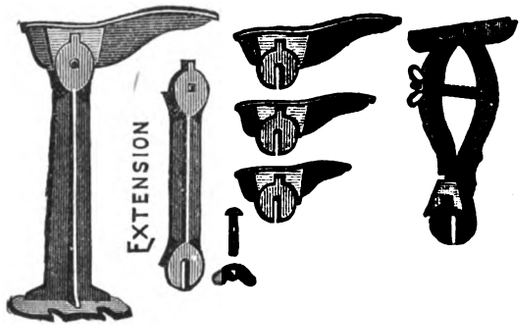
HARDWARE costs only One Dollar a year.

Root's Last and Stand.

The Root Bros. Co., Plymouth, Ohio, manufacturers of Iron Lasts and Outfits for home repairing, have just brought out a new style of last and stand which they consider decided improvements over the old style. As will be noted in the accompanying illustration, the standard is made on the extension principle, so that the lasts can be used by the operator standing at a bench, or while sitting. For use on a bench, the extension is omitted, making the height about thirteen inches; while for floor use it can be instantly attached and the height adjusted to about twenty inches, making it just right for the last to be held over the knees, the base of the standard resting on the floor. Another decided improvement in the lasts is in the manner of attachment. Heretofore the trouble has been in getting the lasts to fit securely on the standard, common lasts being made with a socket into which the standard is inserted so that the lasts are apt to shuck around, or bound off, while in use. This difficulty has been entirely overcome in Root's style of lasts; the last, as well as the sewing clamp,



SHOWING THE EXTENSION IN US



being attached to the standard by the means of a thumbscrew, which holds them in a perfectly rigid manner. The Root Bros. Co. are the sole manufacturers, having secured a patent October 8, 1895, and full information and prices are given in their neat little circular, entitled "Have You Seen Root's Latest?" which may be had for the asking.

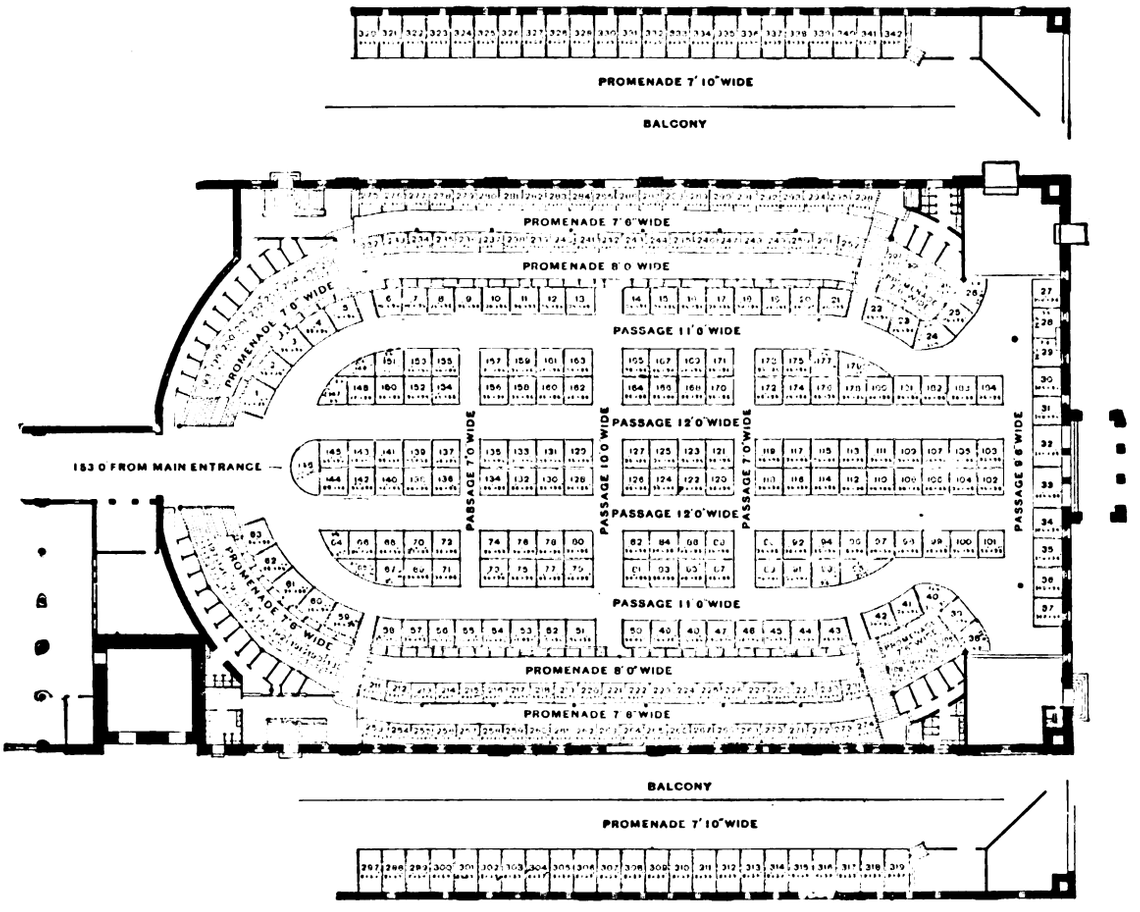
The Wilbraham-Baker Blower Co., Philadelphia, have placed the order for their new pattern storehouse with the Berlin Iron Bridge Co., East Berlin, Conn. The building will be 64 feet wide and 86 feet long, one-story high, with brick sidewalls, covered with the Berlin Iron Bridge Co.'s patent anti-condensation corrugated iron roof covering, and will be absolutely fireproof. The Wilbraham-Baker Blower Co. report trade as very brisk and are full of business in all departments.

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The New York Cycle Show.

An examination of the accompanying diagram and list will show how the exhibition spaces have been arranged and to whom they have been assigned:

Yost Mfg. Co., - - - - - - 1, 2
Davis Sewing Machine Co., - - - 3, 4, 5
Eclipse Bicycle Co., - - - - - 6, 7
Barnes Cycle Co., - - - - - 8 9, 10
Light Cycle Co., - - - - - - 11
St. Louis Refrigerator & Wooden Gutter Co., 12, 13
Fowler Cycle Mfg. Co., - - 14, 15, 16, 17
Hay-Willits Mfg. Co., - - - - 18, 19
Gendron Iron Wheel Co., - - - 20, 21
McKee & Harrington, - - - - 22, 23
Kenwood Bicycle Mfg. Co., - - - 24
Columbus Bicycle Co., - - - - 25, 26
National Cycle Mfg. Co., - - - 27, 28
G. M. Shirk Mfg. Co., - - - - 29
Zenith Cycle Co., - - - - 30
W. W. Whitten Cycle Mfg. Co., - - 31
Acme Mfg. Co., - - - - 32



Porter & Gilmour, - - - 33, 34, 35
Capital Mfg. Co., - - - - 36
Buffalo Wheel Co., - - - - 37
Winton Bicycle Co. - - - 38
George M. Hendee, - - - - 39
Henley Bicycle Works, - - - 40
Fenton Metallic Mfg. Co., - - - 41, 42
International Mfg. Co., - - - 43
Crawford Mfg. Co., - - - 44, 45, 46
Syracuse Cycle Co., - - - 47, 48, 49, 50
Indiana Bicycle Co., - - 51, 52, 53, 54, 55
Relay Mfg. Co., - - - - 56, 57
Premier Cycle Mfg. Co., - - - - 58
Rouse, Hazard & Co., - - - 59
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Humber Co., American, L't'd, - 64, 65, 66, 67, 68
Plymouth Cycle Mfg. Co., - - - 69
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Eagle Bicycle Mfg. Co., - - 77, 78, 79, 80

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Monarch Cycle Mfg. Co., - - - 89
Hulbert Bros. & Co., - - - - 90
Monarch Cycle Mfg. Co., - - - 91
Hulbert Bros. & Co., - - - - 92
Monarch Cycle Mfg. Co., - - - 93
Hulbert Bros. & Co., - - - - 94
Sieg & Walpole Mfg. Co., - - - 95
Hulbert Bros. & Co., - - - - 96
Royal Cycle Works, - - - - 97, 98
O. J. Faxon & Co., - - - - 99
Bridgeport Gun Implement Co., - - 100, 101
Ames & Frost Co., - - 102, 103, 104, 105
Grand Rapids Cycle Co., - - - 106
Adams & Westlake Co., - - - - 107
Waltham Mfg. Co., - - - - 108
Warwick Cycle Mfg. Co., - - - 109
Waltham Mfg. Co., - - - - 110
Warwick Cycle Mfg. Co., - - - - 111
A. M. Scheffey & Co., - - - 112
Marion Cycle Co., - - - - 113
Western Wheel Works, - 114, 115, 116, 117, 118, 119

A. G. Spalding & Bros., 120, 121, 122, 123, 124, 125, 126, 127
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Remington Arms Co., - - - 140
Union Cycle Mfg. Co., - - - - 141
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Liberty Cycle Co., - - - - 156
John P. Lovell Arms Co., - - - 157
Liberty Cycle Co., - - - - 158
J. P. Lovell Arms Co., - - - - 159
Liberty Cycle Co., - - - - 160
Keating Wheel Co., - - - - 161
Liberty Cycle Co., - - - - 162

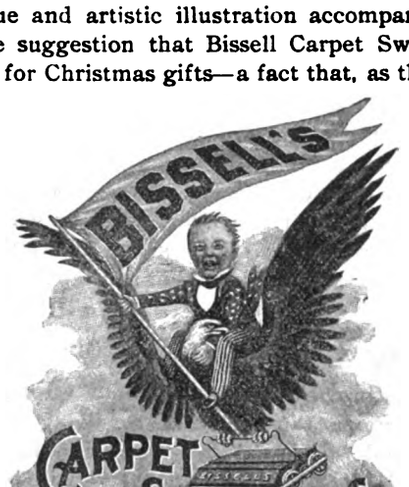
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R. H. Wolff & Co., - 172, 173, 174, 175, 176
Farkhurst & Wilkinson, - - - 177
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Parkhurst & Wilkinson, - - - 179
Black Mfg. Co., - - - - 180, 181
George Worthington Co., - - 182, 183, 184
Columbia Rubber Works Co., - - 185, 186, 187
Climax Mfg. Co., - - - - 188
Butler & Ward, - - - - - 189
H. G. Shepard & Sons, - - - 190
Trenton Watch Co., - - - - 191
Reed & Curtis Machine Screw Co., - - 192
Moore Cycle Fittings Co., - - - 193
E. Howard Watch & Clock Co., - - 194
Indiana Novelty Mfg. Co., - - - 195
Fox Machine Co., - - - - 196
Manhattan Rubber Mfg. Co., - - - 197
Buffalo Cycle Co., - - - - 198, 199
Gilbert & Chester Co., - - - - 200
Stover Bicycle Mfg. Co., - - - 201, 202
Singer & Co., - - - - 203, 204
Schoverling, Daly & Gales, - - - 205, 206
Windle Cycle Co., - - - 207, 208
Ames Mfg. Co., - - - - 209, 210
Arnold, Schwinn & Co., - - - 211, 212
A. L. Moore Co., - - - - 213, 214
Phillips Mfg. Co., - - - - 215
J. J. Warren Co., - - - - 216
Stanley Cycle Mfg. Co., - - - - 217
Louis Rosenfeld & Co., - - - 218
H. Hardy, - - - - - 219
American B. H. & S. M. Co., - - 220
H. W. Cole & Co., - - - - 221
Newton Rubber Works Co., - - 222
Hartford Rubber Works Co., - - 223, 224
I. H. Williams Co., - - - - 225
Mechanical Fabric Co., - - - - 226
Davis & Stevens Mfg. Co., - - - 227
Persons & Muller Co., - - - - 228
Cushman & Denison, - - - 229
American Dunlop Tire Co., - - - 230, 231
R. B. McMullen & Co., - - 232, 233, 234, 235
Elastic Tip Co., - - - - 236, 237, 238
Anglo-American Cycle Fittings Co., - 239, 240
Excelsior Supply Co., - - - - 241, 242
John S. Lengs Son & Co., - - - 243
Tie Company, - - - - - 244
Hall-Shone Co., - - - - 245
N. Y. Standard Watch Co., - - - 246
New Departure Bell Co., - - - 247
Boston Woven Hose & Rubber Co., - - 248
Indianapolis Rubber Co., - - - 249
Supplee Hardware Co., - - - 250 251, 252
New York Tire Co., - - - - 253, 254
Combination Cycle Co., - - - 255, 256
Hunter Arms Co., - - - - 257, 258
Toledo Mfg. Co., - - - - 259, 260
F. M. Buckley & Co., - - - 261
Hampshire Cycle Mfg. Co., - - - 262
Arlington U. Betts & Co., - - - 263
N. Y. Belting & Packing Co., - - 264, 265
Snyder & Fisher, - - - - 266
Billings & Spencer Co., - - - - 267
Brown-Lipe Gear Co., - - - 268
Willard & Conroy Mfg. Co., - - - 269
Queen City Cycle Co., - - - 270
Packer Cycle Co., - - - 271, 272, 273
Owen Mfg. Co., - - - - 274
John McClave & Sons, - - - 275, 276
Eastman Kodak Co., - - - - 277
Decker Cycle Co., - - - - 278
M. F. Edwards, - - - - 279
F. D. Owen Mfg. Co., - - - - 280
New Haven Chain Co., - - - 281
E. K. Tryon, Jr. & Co., - - - - 282
Rogers Saddle Co., - - - - 283
U. S. Projectile Co., - - - - 284
Bradley Stencil Mfg. Co., - - - 285
Manufacturers' & Merchants' Warehouse Co., - 286
A. Schrader's Son, - - - - 287
Champion Mfg. Co., - - - 288, 289
Eclipse Cement & Blacking Co., - - 290, 291
Speeder Cycle Co., - - - - 292
Allerton Lubricant Co., - - - 293
American Clock Co., - - - - 294
John H. Graham & Co., - - - 295
Standard Cycle Works, - - - - 296
Worcester Cycle Mfg. Co., - - 297, 298, 299
Betts' Patent Headlight Co., - - - 300

Applications have also been received from the following firms: Century Cycle Mfg. Co.; Everett Cycle Co.; Combination Roll & Rubber Co.; Snell Cycle Fittings Co.; Eugene Arnstein; Thomas H. Stewart; the Beuscher Mfg. Co.; Spaulding & Pepper Co.; Charles J. Godfrey; Elizabeth Cycle Mfg. Co.; the Fanning Ball Bearing Chain Co., the E. Alsdorf Co.; the E. Webster Mfg. Co.

A Hint for Christmas.

The unique and artistic illustration accompanying this, conveys the suggestion that Bissell Carpet Sweepers are appropriate for Christmas gifts—a fact that, as the declaration says, "is self-evident." In this connection it may be noted that the factories of the Bissell Carpet Sweeper Co. are running nights, and it will be to the advantage of dealers to place their orders for the holiday trade as early as possible, to insure prompt delivery. The illustration shown is a fac-simile of a very handsome hanger in colors, which the company are now preparing for distribution among customers at an early date.



Cordley & Hayes' Catalogue.

Cordley & Hayes, No. 172 Duane Street, New York, under date of November 1st, issue a catalogue on indurated fibre ware which replaces all previous lists. The company say: "In presenting this edition of our catalogue we annul all previous lists heretofore issued by us. Some new lines are added in this list to the already large assortment of indurated fibre ware produced, and we shall, as further new lines are taken up, issue illustrations and descriptions. Indurated fibre ware is said to be superior to wood, paper, tin and iron ware, in these particulars: Will not shrink or swell; will not taint water, milk or other liquids; cannot leak, water-soak or rust; has no hoops to drop or rust off. Being seamless, bottom cannot drop out; has no paint or varnish to wear off; does not require paint or varnish to preserve it; is proof against hot and cold water, kerosene, benzine, and ordinary acids; and is lighter than a wooden pail, and will not soak, thus becoming heavier. With the catalogue are a set of blotters which not only illustrate and describe some of the goods, but are of a handy size for office use."

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Mr. Advertiser, Now's Your Chance.

A cash prize of $100 for the best advertisement of "Bissell" carpet sweepers as Christmas gifts is announced by the Bissell Carpet Sweeper Co., Grand Rapids, Mich. They also state that their Christmes offer of carpet sweepers this year has never before been equaled by any manufacturer—at any time—for any purpose in the history of the carpet sweeper business.



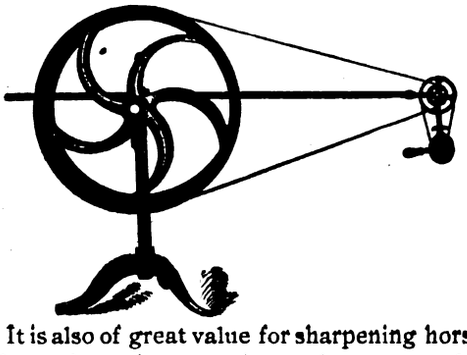
In explanation of their offer, they further say: "This Christmas our assortment of special electrotypes for newspaper advertising is both larger and better than ever before, and to those who desire to use them we will be pleased to supply one or more entirely free of cost and send them charges prepaid to any address. We have also decided to pay $100 in cash for the three best 'ads.' of Bissell sweepers as Christmas gifts. First prize, $50; second prize, $30; third prize, $20. Most of our dealers have regular space in their local papers. They must advertise something, why not Bissell Sweepers? They are very popular Christmas gifts and are just as profitable as they are popular. Our electrotypes are attractive—they will help brighten your 'ad.'—they cost nothing—you have the space—it costs nothing to try. You are certain of a good profit on every sweeper you sell, and if your 'ad.' wins, it is a neat sum very easily earned. This offer is confined entirely to our customers and their employes, to whom we will be pleased to send, on request, a special sheet, illustrating our assortment of electrotypes and other special Christmas advertising features."

W. W. Pryor Hardware M'f'g Co.

The business of the Essex Tool Co., of Newark, N. J., manufacturers of spring and revolving punchers, door sorings and specialties has been purchased by W. W. Pryor & Co., of New York City, and will be organized as the W. W. Pryor Hardware M'f'g Co. The new company intend to increase the facilities for manufacturing and will produce many new articles, in addition to the old established line, which is so well known to the Hardware trade throughout the country. They expect to produce the best goods possible for the least money, and aim to give their patron tools that will give satisfaction both in finish and durability. A full line of goods will be carried at their New York office No. 81 Chambers Street.

The Gokey Grinding Machine.

The Walker Mfg. Co., No. 164 Bank Street, Burlington, Vt., are offering to the trade the Gokey Grinding Machine herewith illustrated. The machine is designed for use on the farm, taking the place of the grindstone, for sharpening knives, axes, corn-cutters, hoes, scythes and mowing machine knives, as it does the work so much easier and



quicker. It is also of great value for sharpening horses' shoe calks, a few minutes' use saving a journey to the blacksmith's, and often much loss of time waiting your turn. It is recommended to the use of livery stable keepers as their horses could always be sharp shod for instant service. A special offer of interest concerning this machine will be found on page 65 of this issue.

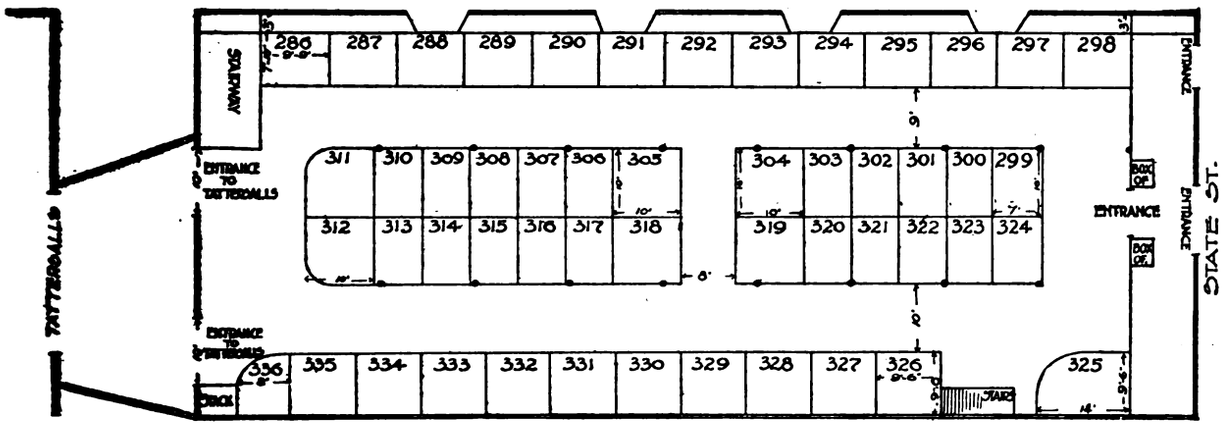
Chicago Cycle Show.

The prospects for the success of the Cycle Show at Chicago, January 4th to 11th, are very bright. All the spaces at Tattersall's have been assigned, and so many additional applications for space were received that it was found necessary to secure the Jonathan Clark Building directly adjoining Tattersall's to provide for the extra applicants. We print herewith the diagrams of Tattersall's and the Jonathan Clark Building and give the names of the exhibitors and the numbers of their spaces:

Columbia Bicycle Co.,	1
Kingman & Co.,	2
Prentiss Tool Supply Co.,	3, 4, 5
U. S. Heat & Light Co.,	6, 7
W. E. Frazier & Co.,	8, 9
Owen Mfg. Co.,	10
McIntosh-Huntington Co.,	11, 12, 13
Fox	14, 15
Pope Mfg. Co.,	16, 17, 18, 19, 20, 22
Exit	23
William W. Shoe,	24
McMullen & Co.,	25, 26, 27, 28
Studley & Barclay,	29
Cushman & Denison,	30
James Cycle Co.,	31
Grand Rapids Cycle Co.,	32
Reed & Curtis Machine Screw Co.,	33
Hall-Shone Co.,	34
Chicago Tip & Tire Co.,	35, 36
Nilsson Cycle Co.,	37
Garvin Machine Co.,	38
Caldwell, John & Co.,	40, 41
Grand Rapids Bicycle Mfg. Co.,	42
A. U. Betts & Co.,	43
Avery Planter Co.,	44, 45
Gladiator Cycle Works,	46
Hibbard, Spencer, Bartlett & Co.,	47
Elgin Cycle Co.,	48
Tyron, E. K. Jr. & Co.,	49
Griswold, M. E. Co.,	50
Hamilton Cycle Co.,	51, 52
Davis Sewing Machine Co.,	53, 54
St. L. Refrigerator & W. G. Co. (also 88),	55
Gormully & Jeffery (also 85 to 87),	56, 57, 58
Wolff & Co. (also 83, 84),	59
Decker Cycle Co.,	60
Barnes Cycle Co.	61, 62, 63
Shirk Mfg. Co.,	64
Light Cycle Co.,	65
Warner, D. D., Co.,	66
Dodson Mfg. Co.,	67
Crown Cycle Co.,	68
Bellis Cycle Co.,	69
Winton Bicycle Co.,	70
Arnold, Schwinn & Co.,	71, 72
March-Davis Cycle Co.,	73, 74
National Cycle Mfg. Co.,	75, 76
Richmond Bicycle Co.,	77
Union Mfg. Co.,	78
Newton Rubber Works,	79
Oliver, E., & Co.,	80
Kenwood Mfg. Co.,	81, 82
Wolff & Co. (also 59),	83, 84
Gormully & Jeffery (also 56, 58)	85, 86, 87
St. L. Refrigerator & W. G. Co. (also 55),	88
Czar Cycle Co.,	89, 90
Buffalo Wheel Co.,	91
Toledo Mfg. Co.,	92, 93
Allerton,	94
Foley & Williams,	95
Kalamazoo Cycle Co.,	96
Hunter Arms Co.,	97
Lindsay Bros., La Fayette,	98
Obern, George & Co.,	99
Barr Cycle Clothing Co.,	100
Rouse, Hazard & Co.,	101, 102
Fee, Edgerton & Co.,	103
Excelsior Supply Co. (also 139, 140),	104, 105

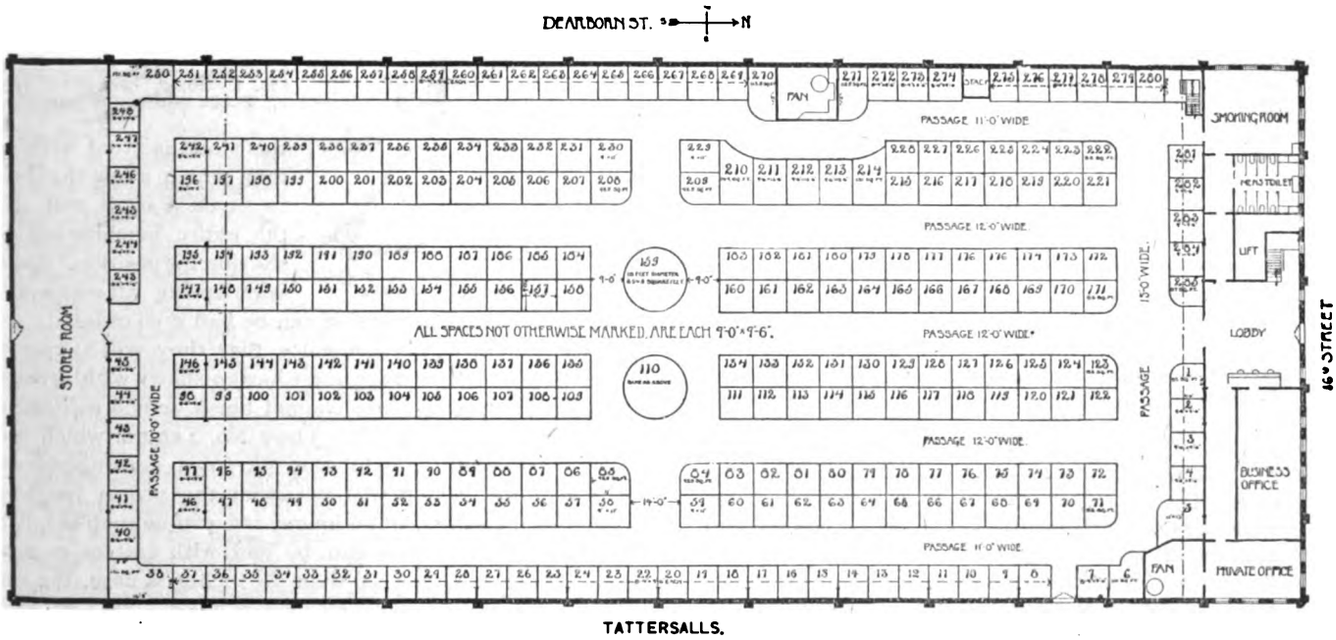
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Fenton Metallic Mfg. Co., - - - 106, 107
Hoffman Bicycle Co. (also 136), - - 108
Morgan & Wright (also 135), - - - 109
Peerless Mfg. Co., - - - - 110
Monarch Cycle Co. (also 132, 134), - 111, 112, 113
Lovell Arms Co., - - - - 114, 115
Royal Cycle Works, - - - - 116, 117
Hartford Rubber Works Co., - - - 118, 119
Marion Cycle Co. (also 125), - - - 120
Stearns & Co., - - - - - - 159
Humber & Co. (also 182, 183), - - 160, 161
Eagle Bicycle Mfg. Co., - - 162, 163, 164, 165
Lodge & Davis, - - - - - 166
Warwick Cycle Co., - - - - 167, 168
Hulbert Bros., - - - - 169, 170, 171
Remington Arms Co., - - - 172, 173
Syracuse Cycle Co. - - 174, 175, 176, 177
Buffalo Cycle Co., - - - - 178, 179



JONTHAN CLARKE, BUILDER

Hay & Willits Mfg. Co., - - - 121, 122
H. A. Lozier & Co., - - - - 123, 124
Marion Cycle Co. (also 120), - - - 125
Telegram Cycle Co., - - - - - 126
Central Cycle Mfg. Co., - - - 127, 128, 129
Acme Cycle Co., - - - - 130, 131
Monarch Cycle Co. (also 111-113), - 132, 133, 134
Morgan & Wright (also 109), - - - 135
Hoffman Bicycle Co. (also 108), - - - 136
Black Mfg. Co., - - - - 137, 138
Excelsior Supply Co. (also 104, 105), - - 139, 140
New York Tire Co., - - - - 141
American Dunlop Tire Co., - - - 142, 143
White Sewing Machine Co., - - - 144
Standard Cycle Works, - - - - 145
Peoria Rubber & Mfg. Co., - - - 146
Gendron Iron Wheel Co., - - - 180, 181
Humber & Co. (also 160, 161), - - 182, 183
A. G. Spalding & Bros. (also 156–158), - 184, 185, 186
Palmer Pneumatic Tire Co., - 187, 188, 189
Richards Mfg. Co., - - - - 190
Davis & Stevens Mfg. Co., - - - - 191
Faxon, O. J., & Co., - - - - 192
Stover Bicycle Co., - - - - - 193
Ralph Temple, - - - - - 194
Edwards, M. F., - - - - - 195
Bolte Cycle Mfg. Co., - - - - 196
Kankakee Mfg. Co., - - - - - 197
Norris, Allister & Co., - - - - 198
Tinkham Cycle Co., - - - - - 199
Howard Watch & Clock Co., - - - 200
Thorsen & Cassady Co., - - - 201, 202



TATTERSALLS.

Stahl, William, - - - - - 147
Sherman Cycle Co., - - - - 148
Jacquish, L. C., - - - - - 149
Henley Bicycle Co., - - - 150, 151
Jenkins Cycle Co., - - - - 152, 153
Queen City Cycle Co., - - - - 154
Persons Mfg. Co., - - - - - 155
A. G. Spalding & Bros. (also 184–186), - 156, 157, 158
Worthington, George, Co., - - 203, 204
Keating Wheel Co., - - - - 205, 206
Plymouth Cycle Mfg. Co. (also 230), - 207, 208
Sterling Cycle Works (also 229), - - 209, 210
Liberty Cycle Co., - - - 211, 212, 213
Union Mfg. Co., - - - - - 214
Eclipse Bicycle Co., - - - 215, 216
Adams & Westlake (also 225, 226), - - 217, 218

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Sieg & Walpole (also 224), - - - 219
New Departure Bell Co., - - - 220, 221
International Mfg. Co., - - 222, 223
Sieg & Walpole (also 219), - - - - 224
Adams & Westlake (also 217, 218), - 225, 226
Ames & Frost Co., - - - - 227, 228
Sterling Cycle Works (also 209, 210), - - 229
Plymouth Cycle Co. (also 207, 208), - - - 230
Chicago Stamping Co , - - - - 231
Meacham Arms Co., - - - 232, 233
Waltham Mfg. Co., - - - 234, 235
A. B. H. & O. Co., - - - - - 236
Brown-Lipe Gear Co., - - - - 237
Trenton Watch Co., - - - - - 238
Tie Co., - - - - - - 239
Indiana Rubber Ins. Wire Co., - - - 240
C. H. Woodruff Co., - - - - 241
Boston Woven H. & R. Co., - - - - 242
A. L. Moore Co., - - - - 243, 244
Climax Cycle Co., - - - - - 245
Mason & Mason, - - - - 246, 247
Wayne Mfg. Co., - - - - - 248
N. Y. Standard Watch Co., - - - 250
Julius Andrae Sons Co., - - - 251, 252
Relay Mfg. Co., - - - - 253, 254
Glidden, - - - - - - 255
Cole & Co., - - - - - 256
Bridgeport Gun Implement Co., - - 257, 258
Parkhurst & Wilkinson, - - 259, 260, 261, 262
Hardy, - - - - - - 263
Butler Co., - - - - - 264
Exit, - - - - - - - 265
Western Wheel Works, - 266, 267, 268, 269, 270
Fowler Cycle Co., - - - 271, 272, 273, 274
Indiana Bicycle Co., - 275, 276, 277, 278, 279, 280
Cycle Electric Light Co., - - - - 281
Dodson Cycle Co., - - - - 282
Canton Cycle Mfg. Co., - - - - 283
Manufacturers' & Merchants' Warehouse Co., - 284
Yost Mfg. Co., - - - - - 285
Tonk Mfg. Co., - - - - - 286
Kokomo Rubber Co., - - - - 287
Beebe Tire Co., - - - - - 288
Rockford Tool & Sundry Co., - - - 289
Auburn Cycle Co., - - - - 290
Racine Bicycle Boat Co., - - - - 291
W. K. Peters, - - - - - 292
Cline Cycle Co., - - - - - 293
Henry Sears Co., - - - 294, 295
M. H. Kiebel, - - - - - 296
Betts Patent Headlight Co., - - - 297
Place & Terry, - - - - - 298
E. Arnstein, - - - - - 299
Wolff & Co., - - - - - 300
Speeder Cycle Co., - - - - 301
Buescher Cycle Co., - - - - 302
Richmond Cycle Co., - - - 303, 304
Miami Bicycle & Mfg. Co , - - 305, 306
Munger Cycle Co., - - - 307, 308
Stearns & Co., - - - - 309, 310
Davidson & Co., - - - 311, 312
M. E. Griswold, - - - - - 313
F. F. Ide Co., - - - - 314, 315, 316
C. J. Godfrey, - - - - 317, 318
G. N. Pierce & Co., - - - 319, 320, 321
Schlueter Cycle Mfg. Co., - - 322, 323, 324
Spalding & Bros., - - - - 325
Kalamazoo Cycle Co., - - - - 326
Manufacturers' & Merchants' Warehouse Co., 327, 328
Demorest & Co., - - - - - 329
John Caldwell, - - - - - 330
Taylor Trunk Works, - - - - 331
Turner Brass Works, - - - - 332
Indianapolis Rubber Co., - - - 333
Indiana Novelty Co., - - - - 334
U. S. Cycle Implement Co., - - 335, 336

Gallium a peculiar metal found in zinc ores is put down as the most valuable metal, costing $3000 an ounce.

Improved Brooklyn Bicycle Stands.

We herewith give illustration and description of a Bicycle Stand very much in demand during the season of 1895. The improvements made on the Brooklyn Stands by the Bridgeport Gun Implement Co. will allow the same to be used for women's as well as men's wheels. The clamp on head (see illustration) can be adjusted to fit any size tubing, having threaded screws on both sizes of clamp which will allow the user to get the proper adjustment. The improvement made on the head of this stand will be greatly appreciated by users, as it can be adjusted to fit any size crank hanger used on wheels of the present day.

Dealers who desire to show the easy running qualities and the working of the chain on a bicycle, will find this stand a great advantage in this respect, as the upright can be raised and lowered in the tripod, thus lifting the machine clear from the floor. The advantage for cleaning a bicycle after a rough ride should not be overlooked by bicycle riders, as this stand is fitted with castors, which allow the owner to sit on a chair and clean the entire machine without shifting his position. Special wire spring attachment to hold front wheel in position can be had if so ordered.

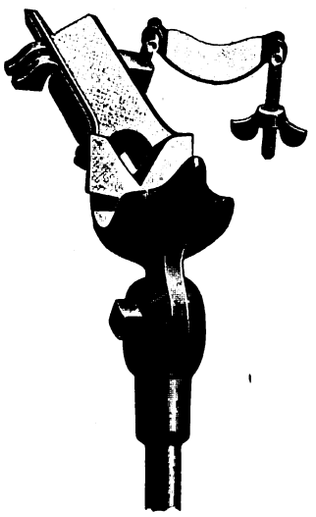


FIG. 1. ADJU TABLE HEAD CLAMP.

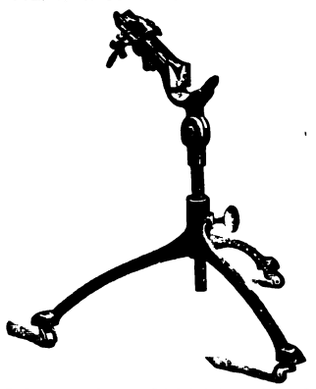


FIG. 2.—NO. 1, BROOKLYN STAND, BLACK AND WHITE ENAMEL.

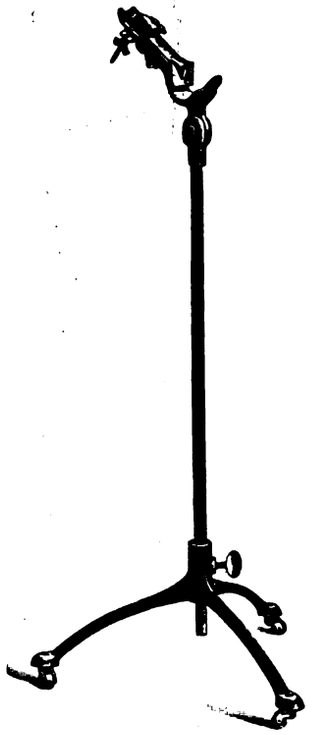


FIG. 3.—NO. 2, BROOKLYN STAND, BLACK AND WHITE ENAMEL.

The manufacturers announce that they will supply exhibitors of the New York and Chicago shows with Brooklyn Stands in a special white enamel finish, which will add attractiveness to an exhibit. Their No. 2 stand, which is especially adapted for exhibition purposes, is furnished with a 26-inch rod, which will be about the proper height allowed at the shows, but a longer rod can be supplied, if required. These stands can be had with castors or screw holes, and if a longer rod than 26 inches is used, the company recommend a stand with screw holes. We print below a list of various styles. For prices and discounts refer to the Bridgeport Gun Implement Co., Nos. 313 and 315 Broadway, New York.

No. 1 Improved, Black Enamel Finish (small rod) . . . . . $2.00 each
No. 2 " " " " 26-inch rod for exhibition purposes . . . . . 2.25 "
No. 3 Improved. Nickel-Plated (otherwise same as No. 1) . . . . . 3.50 "
No. 4 " " " " " No. 2) . . . . . 4.00 "

Special for the New York and Chicago Shows—Brooklyn Stands Finished in White Enamel.

No. 1 Improved White Enamel Finish. . . . . $3.25 each
No. 2 " " " " . . . . . 3.75 "

A list of other stands made by this company will be sent to any address upon receipt of application.

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Review of the Markets.

Hardware: Trade has slackened somewhat, but may be likened to a machine that is stopped to be oiled. During the lull the manufacturers and jobbers are preparing for the holiday trade, which is expected to be a good one. The fall business in many respects has proved a disappointment. Orders are not of a speculative character, jobbers being in most cases pretty well loaded. Collections have improved, but are still a source of complaint. The tendency to shade prices has lessened considerably, and manufacturers think that prices will now be fairly well maintained. Fire arms and sporting goods are in demand, owing to the continuance of the mild and Indian summer-like weather.

Wire Nails: There was no change made in the base price of Wire Nails at the meeting of the manufacturers held quite recently in New York, but the output of the mills for November has been curtailed to a considerable extent to allow the demand to catch up with the supply. The belief is expressed by those in a position to talk with authority that prices will remain unchanged for the balance of the year, though a further advance in January or February is not improbable. Information on this subject is however largely guess work. To the delivery price of carload lots the following advances have been made: 3c to New York, Philadelphia, Baltimore, and the Southwest; 2½c to Chicago; 3½c to St. Louis, New Orleans, Mississippi River points and New England. This change has been made necessary by the winter freight rates being in force. Wire Nails in carload lots on dock in New York are quoted at $2.43, and small lots from store are held at $2.53. Pittsburg prices are as follows: carload lots or mixed cars, $2.25 per keg, base, f.o.b., Pittsburg; less than carload lots, $2.35 per keg, base, f.o.b., Pittsburg. The manufacturers have, however, decided without reference to the less than carload freight rates to increase the minimum market base selling prices of less than carload lots from all shipping points 10 cents over the carload prices. On contracts of 1000 kegs to be taken in one calendar month from one mill for direct shipment in less than carload lots, 5 cents only is to be added to the carload price.

Cut Nails: As in the case of Wire Nails the prices of Cut Nails were not changed by the manufacturers last week. Prices quoted are as follows: Carload lots or over, $2, base, Pittsburg delivery; less than carload lots, $2.05, base, Pittsburg delivery. To jobbers taking from one mill within one calendar month 500 kegs or over, 5 cents rebate per keg is allowed. The delivery prices are subject to the following increases as in the case of Wire Nails: 2½c to Chicago; 3c to New York, Philadelphia, Baltimore and the Southwest; 3½c to St. Louis, New Orleans, Mississippi River points and New England. The same increase of 10 cents over carload lots from any point is also applied to less than carload lots of Cut Nails. New York quotations are as follows: Carload lots on dock, $2.18; small lots on dock, $2.28, and small lots out of store $2.30. The prices are computed in this manner: take the Pittsburg base prices of carloads $2 and add the extra 10 cents charged for less than carloads, and the freightage of 18 cents the rate to New York, and the result will be the price of less than carload lots on dock New York, $2.28.

Tacks: The Tack market is in a somewhat unsettled condition. New discount sheets which will tend to lower prices are looked for, but when they will appear cannot be predicted with certainty.

Glass: Window Glass manufacturers met in Chicago on October 26, and decided to advance prices 2½ per cent. on carloads and stop the custom of allowing freightage. The domestic product is now quoted at 75 per cent. off on carlots and 70 and 10 per cent. on ordinary quantities.

At a meeting recently held in Pittsburgh the prices of all sizes of Plate Glass were advanced about 5 per cent.

Linseed Oil: New York prices are given as follows: Raw 44c per gallon, boiled 47c per gallon, Calcutta raw 48c per gallon.

The following quotations are made by the National Lead Co.: White Lead, dry or in oil, and Red Lead and Litharge in kegs. In lots less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents; Red Lead and Litharge in barrels and half barrels, ¼ cent per pound less than price in kegs.

Putty: Prices remain at $1.40@$2.25 as to quantity and quality.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake ₩ lb	12½
Ansonia grade Arizona	12
" " Casting	11½@11⅞
G. M. B	11¼@11½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl. ₩ lb	17c.
Over 3½ to 5 " " ₩ lb	18c.
Square and Hexagon Rods, extra. ₩ lb	1c.
Tobin Bronze—Piston Rods.	
¼ to 3½ inches, inclusive ₩ lb	18c.
Over 3½ to 5 " " ₩ lb	19c.
Antimony.	
Hallett's ₩ lb	8
Cookson's	9
Lead.	
Foreign ₩ lb	nominal.
Domestic, Pig	3¼@3⅜
Spelter.	
Western Spelter	4⅝@4¾
Bertha (pure)	7@7½
Zinc.	
600 lb casks	6
Per lb	6½
Tin.	
Straits, Pigs	15½@15¾
Straits in Bars	16½
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00	4¼
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.25
Do. 20x28	8.50
D. R. D. grade, 14x20	4¼
Do. 20x28	8½

Under date of October 1st, Landers, Frary & Clark, New Britain, Conn., issue a new discount sheet. The discounts given, with the exception of a few, are similar to those given in the October 25th issue of HARDWARE. The changes are given below:

Sportsmen's Balances	60%
L., F. & C. Standard Counter Scales	40 & 10%
L., F. & C. " Hatch Trip and L. D. Scales	40 & 10%
L., F. & C. Union Scale	33⅓%
Weeding Forks	70%
Strawberry Forks	70%
Coffee Mills, No. 3102	70%

Clapp & Co., bankers and brokers, New York, in their weekly letter say: "Victory and defeat are sometimes hard to distinguish. Between the State elections and the Republican Congress is only a step. A victory that would promise further emphasis to the period of revenue deficit, bond debt and business demoralization is on one hand; a defeat that would give Congress the aggressiveness of an avenging goddess is on the other. Treasury official utterances offer as little relief as do the tariff principles to which the national executive stands consecrated. Between gold talk and silver payment is a gulf that in an off year might prove unfortunate. Another emergency, another rescue and another business boom is possible."

THE DETROIT TRADE.

The volume of business for October did not come up to expectations, presumably on account of decline in price in Bessemer Pig Iron, which no doubt checked all the speculative tendency there was in the market, not only with jobbers, but with retailers as well; still we find seasonable goods are moving in improved quantities, indicating that the stocks of the retailers are not large, and must be sorted up just as fast as their trade warrants it. We also find that prices are very well maintained, except in a few instances notably, Window Screen Cloth, so that on the whole, we cannot find very much to complain of. Had it not been for the excessive drouth in this section during the entire year, we have no doubt but that we would have had a very much better trade this fall. BUHL SONS & Co.

THE DAVENPORT TRADE.

Hardware: Wire nails have again advanced, and no reason given other than it is the arbitrary wish of the Wire Nail Association. An open market on tacks is expected on the 15th of November. Trade in general Hardware is only fair, with collections light.

Iron: Prices well maintained at the recent large ad-

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vances; October trade is greater than last year; collections good; an advance is expected in wooden wagon material.

Malleable Iron: Factories running full time; orders enough in hand to keep them busy for three months; prices no higher than last year; collections good.

Wagons: More wagons made and sold up to the present time, than the entire year of 1894, with prices about the same, running full time; future prospects bright; collections fair.

Buggies and Carriages: Larger trade than last year; prices for 1896 will be higher; collections poor.

Stoves: Trade is somewhat better than in 1894, running full time, but just now are accumulating stocks on account of mild weather, but expect to reduce the surplus as soon as the weather becomes colder and more seasonable. Prices are a trifle lower than last year; dealers are not discounting their bills as freely as usual.

Bettendorf Metal Wheel Co. report orders larger than for three previous years; have more orders in hand now than they can fill; running night and day for six months. Prices higher than last year and nothing to complain of in the way of collections.

Steel: Sylvan Steel Co. report running double turn; more orders in hand than they can turn out in three months, with prices 40 per cent. above those of last year; collections good.

Plows: Manufacturers report better trade than for several years, with prices about the same as last year; running full time; outlook promising, although trade for spring has hardly developed, as traveling men have just started out; collections worse than have been known for years.

Corn-planters, Hay-loaders, etc.: Deere & Mansur Co., manufacturers of corn-planters, hay-loaders, hay-tedders, hay-rakes, etc., etc., report 1895 trade much larger than usual; prices no higher; running full time; outlook for spring trade good; travelers now on the road soliciting for spring.

Tubular Metal Axles: Trade increasing; prices lower than last year; running full time; collections good and outlook bright.

Foundry & Machine Co.: Prices no higher than a year ago, but are paying more for raw material: running full time; collections good, with encouraging prospects.

Threshing Machines: Have manufactured many more machines this year than ever before and sold out all clean; will be running full time again within two weeks; cost of material higher than last year, but selling prices no better.

Pumps: Red Jacket Pump Co. report 20 per cent. increase in business compared with last year; are running full time, and are kept very busy filling orders.

We hope to meet you and many of the Hardware dealers and manufacturers at the meeting of the National Hardware Association, at Pittsburg, on the 20th inst.

SICKELS, PRESTON & NUTTING CO.

THE COLUMBUS TRADE.

Trade is holding up remarkably well, and should through this month, especially if we have a continuance of the fine weather we have been having during the past few weeks. This is ideal sportsman's weather, and the old question of "Which would you rather do or go fishing?" can be promptly answered by saying, "Fish, of course." It is too bad that we cannot shut up shop and hie ourselves off to some sunny spot by the side of the gurgling brook and spread ourselves on the grass and patiently wait for a bite until noon—and then open up our lunch basket and get one. But we find it necessary to fish for trade, and also use our best bait. Prices, with few exceptions, are firm. The inevitable has come in the Tack business, and the expected drop in prices has come. A little over a year of "fat" for the manufacturers. The trouble with American manufacturers is that they want to get fat too fast. They are willing to go on a long fast, and then, when they get an opportunity, they gorge themselves. When a number of persons get too much of a good thing, some one is sure to become dyspeptic. Every one knows that a man, or set of men, in that condition are hard to manage. It would be much better if they were satisfied with good, steady diet. There is no good reason why manufacturers should not make a reasonable profit from year to year, but they seem to prefer a feast or famine. If we can read the signs of the times correctly, we think some other lines will take a tumble. How much better it would be for all concerned if we could have a more uniform market.

SMITH BROS. HARDWARE CO.

THE ST. PAUL TRADE.

The approach of winter and the accompanying cold weather is having a stimulating effect on the Hardware trade. The demand for seasonable goods is large, being far in excess of what it was at a corresponding time last year. The same condition exists in such kinds of builders' Hardware as are needed to close up the season's business in that line. Prices of nearly all kinds of farmers' produce continue to rule very low, and as a consequence they are not sent forward as they otherwise would be. Notwithstanding this, collections are reasonably satisfactory, and without doubt the average country dealer will, by the first of January next, be nearer out of debt than he has been for two years past. The prospect now is that the business for the month of November will be quite satisfactory.

C. W. HACKETT HARDWARE CO.

THE PHILADELPHIA TRADE.

The remarkable weather still continues, and at the date of this writing we are having a most decided spell of Indian Summer, and it is hard to realize that we are within three weeks of Thanksgiving Day, and that some portions of the country have already had a blanket of snow. Such mild weather naturally has its effect on trade, which is still in a waiting mood although a fair volume of goods is moving, and it is pleasant to report that the volume of business continues larger than last year and we are all hopeful of the future.

Prices have continued without marked changes, although there is still a tendency on the part of the many manufacturers to advance prices, and such lines as Tools, which are everywhere recognized as being sold at cost of production, will probably respond to the increased cost of material before long.

The market for fancy goods is in good shape, and despite the weather Skates, Cutlery and so forth, are moving in a fair volume and dealers are preparing for holiday trade.

Samples of '96 Bicycles are beginning to make their appearance and the improvement in style and finish is quite apparent while prices remain about the same.

Collections are only fair and the money that is being paid out for wages seems to be used, according to current report, in paying up old debts which have been incurred during the stoppage of manufacturing. This money is now finding its way into the avenues of trade and better collections are expected in the near future.

BIDDLE HARDWARE CO.

THE TOLEDO TRADE.

Trade for the month of October in this section has been very satisfactory, although there has not been the *great boom* which some had thought we would have this fall. Trade has been mostly on seasonable goods that are wanted at this time of the year, such as supplies for stoves, house furnishing goods and stoves.

There has also been quite a heavy demand for builders' Hardware and glass. The volume of business has been considerably more than for the same month of 1894, although it must be taken in account that values on staple goods are considerably higher than they were a year ago.

We also find that manufacturers are filling orders more

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promptly than formerly, as they are no doubt caught up with their orders that the *jobbers have speculated* in. We find, from inquiry, that jobbers are carrying large stocks, and we do not think that the manufacturers will be burdened with orders for prompt shipment for the next two or three months.

Collections are not what they ought to be. Owing to the low prices of farm products, farmers do not care to sell their wheat and corn, holding them for higher prices, which higher prices we do not believe they will succeed in getting; this makes the country merchants hard up. In general, the country merchants have a great deal outstanding on their books, and therefore are not able to pay accounts promptly.

Judging for the future, we expect that we will have quite a fair trade in Hardware lines, but do not anticipate anything extraordinary.

As regards to price, on some goods we are able to sustain the price, but on other goods we notice there is more or less shading, such as poultry netting, wire screens, screen doors and windows and numerous other lines. We think it will be rather hard to get a general advance on all lines of goods.

We do not anticipate a very heavy holiday trade, although if the good weather continues we shall still have a good builders' Hardware trade.

This section needs rain very badly, and we hope that the heavens will soon loosen and give us a thorough good drenching. THE STOLLBERG & CLAPP CO.

THE OMAHA TRADE.

The last half of the month has been comparatively uneventful in this locality. Unusually mild weather has to some extent checked the demand for seasonable goods, and, while a fair volume of business has been done, it has not reached the point it would, had more seasonable weather prevailed. Nails are in active demand, but Barb Wire is sluggish and the demand is quite below the average for this season of the year. Some grain is going forward, even at the extremely low price prevailing, which improves collections to some extent, but there is still room for material improvement in this direction. Until the purchasing power of our produce reaches a higher point than at the present time no great increase in business can reasonably be expected. RECTOR & WILHELMY CO.

THE PITTSBURG TRADE.

The rain which visited this locality lately, was of great benefit to the farmers, but not enough to raise our rivers, which remain in a very dried up condition. Senator Quay's recently promulgated idea to enter into a national improvement of all important waterways, to be pushed to speedy completion, and paid for by an increased protective duty on sugar and a few other items, strikes us as a wise

LIGHT .·. SAFE .·. COMFORTABLE

Dealers, Write for Discount.



Jobbers, Ask for Electrotypes.

Manufactured by Geo Hilsendegen, DETROIT, MICH.

Pflueger's Electric Bicycle Chain

L·U·B·R·I·C·A·N·T.

Better quality, lasts longer and is more effective than the many other so-called Lubricants now on the market. Put up in handsome silver foil wrappers and six assorted colors on a slanting show card with wire brace. Two cards in a box (1 doz.).

Ask your sporting goods dealer for **Pflueger's Lubricant**, and if he offers you some other brand he calls just as good, refuse it and send your orders to the - - - - - - - - - - - -

Made in Three Sizes.

Special Prices to Jobbers on Application.

Enterprise Mfg. Co., Akron, Ohio.

The Automatic Cycle Seat Co., GRAND RAPIDS, MICH., Have a Saddle that Physicians and Riders Strongly Endorse. . . Send for Particulars.

CYCLE CHAINS

If you want the BEST Place your order with the Indianapolis Chain & Stamping Co. INDIANAPOLIS, IND.

Roger B. McMullen & Co., General U. S. Sales Agents, 139 Lake St., Chicago, and 309 Broadway, New York City. John S. Leng's Sons' Co., 4 Fletcher St., New York City, N. Y. Depot. Elastic Tip Co., 370 Atlantic Ave., Boston, New England Depot. Western Rubber Co., 14 Fremont St., San Francisco, Pacific Coast Depot.

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and truly American policy, which we hope to see carried out.

October gave us a fairly good record of sales in jobbing Hardware, but there is not that "go" to business that we had in the Spring. Collections in some sections are rather slow, but may be said to be up to the usual average. Our manufacturers are preparing to entertain the National Hardware Jobbers Association, at their meeting Nov. 20th, in this city. A large attendance is expected.

LOGAN, GREGG & CO.

THE BUFFALO TRADE.

Business for October has been very satisfactory, sales having exceeded the corresponding month of some years past, and we feel that this condition will exist throughout the season.

Stocks are low, and the trade are compelled to buy, and even though their purchases may be small, their frequency for regular goods, and usual orders for seasonable lines will, we believe, bring very satisfactory results.

Collections are not as we should like to see them, yet on the whole are somewhat better than they have been.

Few and important changes in prices have taken place during the past month, being well maintained excepting on some lines for Spring delivery.

It is with regret that we note this latter fact, and sincerely hope that the practice will be speedily discontinued. Unsteady or cut prices have a demoralizing effect, and are most undesirable for all concerned.

Fair steady prices are preferable, and are profitable for manufacturers, jobbers and retailers.

WEED & CO.

The Dangler Stove & Mfg. Co., Cleveland, Ohio, devote page 85 of this issue to a detailed statement as to the character and value of their new article—the "Gem." It surely seems to be all that the name implies, and is very certain to be counted among the successful things of this season.

H. G. Higgins & Co., No. 19 Pearl Street, Boston, Mass., have issued a price list of Hickory Handles, manufactured and sold only by themselves. They explain that they "are not in the combine," and give extended lists and prices of their full line.

The premises occupied by the Simmons Hardware Co., St. Louis, Mo., are to be remodelled. New electric elevators and electric lights and a heating plant will be put in, and other improvements made that will cost in all $30,000.

Articles of incorporation have been filed by the Mexican Welsbach Lamp Co., Camden, N. J. The entire capital, $100,000, has been paid in.

Hardware Dinner for 1896.

At a meeting of the board of governors of the New York Hardware Club, held on November 8th, it was, on motion of Mr. Van Glahn, decided that a Hardware trade dinner should again be held during the coming winter. The question as to time and exact date was left for later consideration.

The following gentlemen were unanimously elected to membership in the Club:

Herbert M. Howes, Boston *Globe*, Boston, Mass.
R. S. Peale, Chicago.
Miles Vernon; Vernon Bros., No. 69 Duane Street.
James A. Hill, No. 44 East Fourteenth Street.
W. F. Richards, No. 59 Reade Street.
E. Holden Spear, Metuchen, N. J.
Paul Gumbinner, No. 54 White Street.
L. B. Whymper, manager Crawford Mfg. Co., No. 72 Reade Street.
H. E. Hooper, Chicago.
Marshall L. Davidson, No. 43 Keap Street, Brooklyn.
Frank M. Brooks, No. 132 Reade Street.

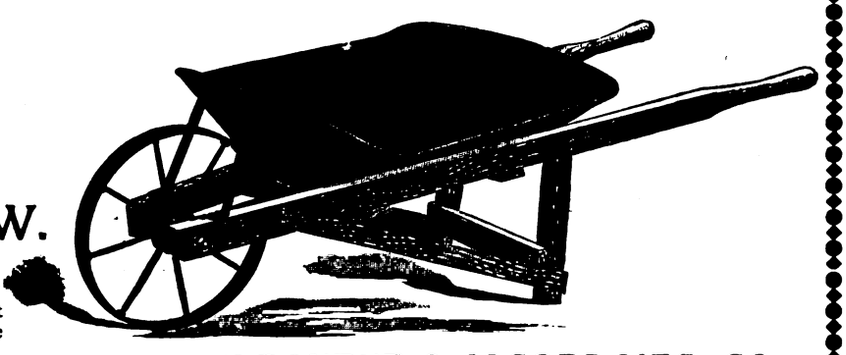
They Endorse the Saddle.

The Automatic Cycle Seat Co., of Grand Rapids, Mich., must have a good thing in their saddle, else they could not have been favored with the numerous glowing testimonials which a glance at their letter book shows. For instance, Dr. M. A. Walker, of Denver, Col., writes: "Received your saddle and put it on at once. Am very much pleased with the saddle, as it certainly does away with the harmful pressure exerted by most other saddles. Another doctor of this city has been riding one for some time and reports very favorably of it." Dr. W. T. Dodge, Surgeon to St. Mary's Hospital, Big Rapids, Mich., adds: "I like your saddle very much; it is made on the correct principle." Dr. F. J. Groner, Grand Rapids, Mich.: "After practical experience with your saddle I give it the highest endorsement. It is the only common-sense saddle that I have seen, as it entirely relieves the sensitive parts." Dr. J. H. Miller, Pana, Ill.: "The old style saddle is very hurtful to riders from its pressure on the prostate glands, etc." John M. Hanscom, Sporting Goods, Ridgway, Pa.: "Please send us as soon as possible one Automatic seat; the other one was duly received and customers like it very much." These are but a few from the many received of a like import.

On page 49 of this issue will be found a card from H. G. Higgins & Co., No. 19 Pearl Street, Boston, in which they state that they are in the field for good agencies. Manufacturers who desire to be represented in New England, will do well to confer with them.

PAN-AMERICAN R. R. BARROW.

With Round Steel Spoke Wheel. The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.



Write THE KILBOURNE & JACOBS MFG. CO.
COLUMBUS, O., U. S. A.

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E. Bissell, Son & Co., No. 12 Murray Street and No. 15 Park Place, New York, announce an auction sale on Tuesday and Wednesday, November 19th and 20th, at 10 o'clock each day, of a large assortment of table and pocket cutlery, carvers, plated ware, skates, etc. The goods are described as being first-class in quality and suitable for the holiday trade. The goods to be auctioned are manufactured by the well-known firms of Rogers, Manning, Bowman & Co.; Raymond, Winslow Skate Mfg. Co., Keene Mfg. Co. and others. This will be the last trade sale of the season.

The Syracuse Cycle Co., Syracuse, N. Y., are pleased to announce the fact that "at Louisville, on November 6th, Wm. DeCardy, on a Crimson Rim, broke the world's record for ten miles, standing start; time, 20:45. This breaks Titus' paced record of 21:38 2-5, made at Springfield, September 12, 1895, by 53 2-5 seconds: also Titus' 10-mile Competition record of 20:58 4-5, made at Manhattan Beach, August 13, 1895, by 13 4-5 seconds."

J. R. Schuyler & Co., manufacturers of animal trap and patented specialties, Bloomsburg, Pa., have just received an order for five gross of their Security Cycle Checks from St. Petersburg, Russia. It is needless to say that these enterprising manufacturers advertise in HARDWARE.

D. L. Baughman, manager of the Ideal Drill Co., manufacturers of Ideal Grain Drills, Albion, Ind., announces that he will invest some money in a new stock of Hardware during the next thirty days, and would be glad to receive catalogues and price lists from jobbers and manufacturers.

HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

WATCH THIS SPACE

For our 1896 Wheels.

APOLLO,
CHALLENGE,
CYCLO AND
FAIRY.

Fire Arms, Sleds and Sporting Goods.

EDW. K. TRYON, JR., & CO.,
PHILADELPHIA.

AGENTS FOR

Morgan & Wright Tires. Union Hardware Co.'s Skates.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



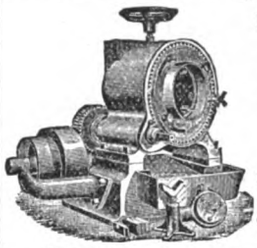
25c.

Regulates supply of oil to a drop.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue describing of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn

W. W. PRYOR HARDWARE MFG. CO.

(Successors to M. ENWACHTER).

Manufacturers of . . . . 23 Ashland St., NEWARK, N. J.

TOOLS AND SPECIALTIES,

Spring, Revolving and Conductors' Punches, Foster Door Springs, Screw Drivers, Nail Sets, Counter-Sinks, Pinking and Curling Irons, Gimlet Bits, Tracing Wheels, Box and Wall Scrapers. . . . . .

N. Y. Office and Sales Room: W. W. PRYOR & CO., 81 Chambers St.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Bridgewater, Me.—F. L. Lowell.
Danville, Va.—Schoolfield, Vass & Co.
Denison, Tex.—Owen McCarthy.
Duryea, Pa.—Arthur Stone.
Elgin, Tex.—Culp & Reamer.
Frost, Tex.—Long Bros.
Greenville, Pa.—A. W. Washburn.
Jackson, Pa.—J. H. Price.
Loyal, Wis.—Edward Murphy.
Memphis, Mo.—Forman Hardware Co.
Milwaukee, Wis.—J. H. Scott & Son.
Oakdale, Neb.—Frank Cooper.
Packwood, Iowa.—Henry S. Mitchell.
Revere, Mass.—A. V. Andrews.
Savannah, N. Y.—E. Y. Ferrand.
St. Augustine, Fla.—Allie Bayer & Joseph T. Pacetti.

Record of Changes.

Addison, N. Y.—J. H. Roberts, of Rochester, has purchased the stock, fixtures, good will and lease of the K. E. Whitmore Hardware store, located on Tuscarora Street.

Afton, Iowa.—John Olinger, Hardware, reported to have been succeeded by Dietrick & Olinger.

Alcester, S. D.—Porter Forberg, Hardware, reported to have sold out.

Alice, Tex.—L. G. Collins, Hardware, etc., reported sold to Phil Hobbs.

Atlanta, Ga.—R. S. Crutcher & Co., retail Hardware dealers, have dissolved partnership, and the business will be continued by R. S. Crutcher.

Aurora, Mo.—Chandler & Oldaker, Hardware merchants, have been succeeded by Oscar B. Oldaker.

Berryville, Ark.—Hamilton & Neff, Hardware, have been succeeded by J. W. Freeman.

Brainerd, Minn.—J. C. Smallwood, Hardware, reported to have been succeeded by Smallwood & Percy.

Bryan, Tex.— Myers & Carr, Hardware dealers, partnership dissolved, the former retiring.

Cabool, Mo.—R. R. Chapman, Hardware, sold stock to J. A. Bradford.

Centerville, S. D.—Ely & Higenbotham, Hardware, reported to have dissolved partnership. Higenbotham continues the business.

Charleston, S. C.—R. J. Morris & Co., Hardware, etc., succeeded by Richard J. Morris.

Chicopee, Mass.—Hoague & Peck, Hardware, reported to have sold out.

Clearmont, Mo. — Geo. P. Shoptaugh, Hardware, admitted partner, under the firm name of Shoptaugh & Bucker.

Clinton, Ark. —S. W. Simpson & Son, Hardware dealers, etc., have been succeeded by C. E. Simpson.

Coats, Kan.—J. W. Jacks, Hardware, has discontinued the business.

Columbus, Ga.—The Frazier Hardware Co., L. C. Frazier, manager, has succeeded Frazier & Dosier in the jobbing and retail Hardware business.

Concord, N. C. — Smithdeal & Morris, Hardware dealers, have been succeeded by Morris & Co.

Concordia, Kan. — Groesbeck & Belisle, Hardware firm, have dissolved partnership, and E. A. Belisle will continue the business at the old stand.

Dayton, Ohio.—Emil C. Haeseler, Hardware, reported to have sold out.

Denison, Tex.—Pollard & Creager, Hardware, partnership dissolved. Business will be continued by Pollard, Hoerr & Co.

Detroit, Mich.—Peter C. Guilloz, Hardware and stoves, reported sold out.

East Bridgewater, Mass.—George Webber has purchased the Hardware business of Charles H. Waterman, which he will carry on at the store occupied by Mr. Waterman for the past few years.

Easton, Minn.—H. P. Edwards & Co., Hardware, etc., reported to have been succeeded by McGillis & Sanders.

Ennis, Tex.—Bird Bros. & Co., Hardware, have been succeeded by Z. T. Williams.

Fingal, N. D.—Schnur & Young, Hardware, reported to have been succeeded by Schnur & Solem.

Georgetown, Ill.—B. Malone, Hardware, reported to have dissolved partnership.

Jobdan, Minn. — Juni & Engler, Hardware, reported to have been succeeded by C. Juni.

Kansas City, Mo.—M. E. Smith & Son, Hardware and stove firm, have been succeeded by Adams & Co.

Kirkland, Ark.—Hotten & Wells, Hardware and stoves, have dissolved partnership, and J. A. Wells will continue the business.

Lake Forest, Ill.—Amelia O'Neill, Hardware, reported to have been succeeded by Joseph W. O'Neill.

Lexington, Ohio.—The Hardware firm of Cassell & Frizzell has changed, the firm now being Herendien & Frizzell.

Lexington, Ohio.—The Hardware firm of Shular & Ritter has been succeeded by Ritter & Poland.

Lumberton, N. C.—E. K. Proctor, Hardware, sold out business to engage in another line of business.

Maitland, Mo.—M. H. Bailey & Son, Hardware, partnership dissolved. M. H. Bailey succeeds.

Malden, Mass.—Nye & Littlefield have bought out the Carleson Hardware Co. on Main Street.

Marcoline, Mo.— Ambrose Bros., Hardware, sold out business to H. F. Brown.

Merrin, Mo.—Moore & Neil, Hardware, have traded their stock of Hardware to Corbin & Sloan, of the same city, for a stock of groceries.

Modena, Mo.—J. S. Everett & Son, Hardware, have disposed of their stock to Ed. Sandlin, who will continue the business.

Morrowville, Kan. — Victor T. Reeve, Hardware, etc., reported to have been succeeded by R. S. Reeve.

Mound Valley, Kan. — R. W. Gaudy, Hardware, sold business to J. F. Wise.

Ocala, Fla.—E. W. Agnew & Co., Hardware, etc., has been sold to H. B. Masters, who will continue the business at the old stand.

Pecos, Tex.—E. C. Landchassen, Hardware, etc., has been succeeded by Thomas Haghland.

Improvements and Removals.

Allegany, N. Y.—Joseph Miller is building an addition to his Hardware store.

Ashland, Wis.—The Ashland Hardware Co. has moved into its new quarters.

Burr Oak, Kan.—R. A. Paddoh's stock of Hardware, of Mankato, will be moved to this place.

La Crosse, Wis.—P. A. Jenson is building an addition to his Hardware store.

Business Embarrassments.

Devil's Lake, Mich. — Andrew Hope, a dealer in Hardware, has assigned to C. M. Fisher, president of the Ramsey County Bank.

Halifax, N. S.—The well known Hardware establishment of John Stairs & Co. have been compelled to make an assignment.

Homer, N. Y.— The Hardware store of Clark Pickens has been closed by the sheriff. The assets are about $4500.

Mexico, Mo. — The Hardware firm of James Garrett & Sons has been forced to close its doors. It is said the assets are about $6000 and liabilities considerably less than assets.

Wilmington, Ohio. — Jeffries & Hunnicutt, Hardware dealers, have made an assignment. Assets, $25,000; liabilities, $25,000.

Burglaries in Hardware Stores.

Chelsea, Mich.—W. J. Knapp, revolvers.
Clayton, Del.—W. F. & J. R. Clements, $75.
Frankfort, Ind.—William Bott, $150.
Knoxville, Tenn.—Adams Bros., $200.
La Porte, Iowa.—Leham Bros., $100.
Lexington, Ohio.—Walker & Kell, $20.
Manchang, R. I.—W. E. Jones, $50.
Minneapolis, Minn.—P. Schwartz, $30.
Mishicott, Wis.—Terence & Oswald, $912.
North English, Iowa.—Curtis Adams, $25.
Orrville, Ohio.—Eshelman & Bechtel, revolvers and ammunition.
Weyauwega, Wis.—Kosauke Bros., $40.
Woodward, Iowa.—Miller & Co., $50.

Fires in Hardware Stores.

Campbell, N. Y.—N. H. Platt's Hardware store was recently damaged by fire to the extent of $7000; insured for $3500.

Oneida, Kan.—H. Cox & Co., Hardware, reported to have been destroyed by fire. Loss, $3000; insured, $1600.

Somerville, Mass.—J. A. Durell, at No. 309 Broadway, Hardware, destroyed by fire. Loss, $2000.

Southport, Conn.—Jelliff & Co.'s Hardware store was recently visited by fire. Loss, $9000; insured for $3000.

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THERE is always a time in the career of every business when Quality and Finish is necessary to build up and maintain your business.



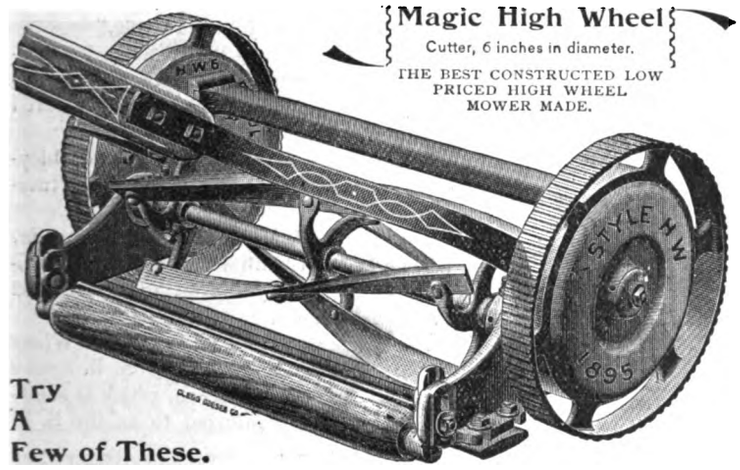
Has this time yet come to you?

It has if you wish to continue the confidence your customer has placed in you. The more competition you have the better ought to be your line of Barrows.

Thoughts and Ideas are valuable, but to maintain the intelligent effort, your goods must maintain a high quality and a moderate price. **THE CHAMPION BARROWS** possess all the above. What more can you ask?

BRYAN MFG. CO., Bryan, Ohio, U. S. A.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS



Try A Few of These.

WERE THE

OFFICIAL

MOWERS OF THE

Columbian Exposition.

OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters fron D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,

Richmond, Ind. U. S. A.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

H. C. HIGGINS & CO.,

19 Pearl St., Boston.

Manufacturers' Selling Agents.

We would be pleased to correspond with Manufacturers and individuals having goods to offer the Hardware Trade of New England

---

ASHTABULA TOOL CO.

ASHTABULA, OHIO.

MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.



COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS, WHICH ARE UNEQUALED.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Amesbury, Mass.—The Amesbury Carriage Co. are making preparations for the manufacture of a high grade bicycle.

Boston, Mass.—E. T. Ross, of the Wholesale Cycle Co., of Milford, Mass., will withdraw from that company and open bicycle store at No. 336 Columbus Avenue. He has been appointed New England agent of the Gendron, Reliance and Holliday bicycles.

Buffalo, N. Y.—The Iroquois Cycle Mfg. Co., incorporated by Wm. H. Hansberger, Wm. F. Dunberger and E. Schlerker, of Buffalo. Capital stock, $10,000.

Cheyenne, Wyo. — The Wyoming Cycle Co. are preparing to occupy the Tribune Building, on Ferguson Street, as a manufacturing plant.

Chicago, Ill. — Arnold Schwin & Co., butchers, will engage in the manufacture of bicycles, and will equip a factory corner of Lake and Peoria Streets. This concern is a corporation, with a capital stock of $75,000, fully paid. The firm will manufacture 5000 wheels a year.

Chicago, Ill.—Davidson & Son, marble workers, reported to be preparing to commence the manufacture of bicycles.

Chicago, Ill. — The Standard Cycle Co. has been incorporated by C. H. Poppenhausen, William J. Garvy and Bert Jennings, to manufacture cycles. Capital stock, $25,000.

Cincinnati, Ohio.—The F. J. Meyers Mfg. Co. is making preparations for the manufacture of bicycles.

Des Moines, Iowa.—The Hann Bicycle Co. has been incorporated by Francis Smith, G. W. Madison and C. L. Van Cott, to manufacture bicycles and bicycle sundries. Capital stock, $10,000.

Detroit, Mich.—The Bicycle Co., Limited, has been incorporated by Jas. J. Nolan, Geo. K. Kelsea and Frank T. Caughey, to manufacture bicycle specialties and obtain patent improvements. Capital stock, $2000.

Detroit, Mich.—The Bicycle Specialty Co. has been incorporated, with a capital stock of $2000, to manufacture and sell bicycle specialties.

Grand Rapids, Mich.—The Sligh Furniture Co. held stockholders' meeting and decided, by six thousand votes against none, to take up the manufacture of bicycles. The company is now in the market for the best machinery for this purpose. Several grades of machine will be made, including a high grade.

Kensington, Conn. — H. Martin and John G. Gibson, of Buffalo, N. Y., will establish a factory for manufacturing a high grade bicycle, employing 100 men.

Lebanon, Pa. — David Brightville has commenced the manufacture of bicycles.

Little Falls, N. Y.—Snyder & Fisher have commenced manufacturing bicycles. Their wheel will be known as the S. and F., and will be sold for $50.

Lockport, N. Y.—The Imperial Cycle Co. has been incorporated by Lewis Schollkampf, Wm. J. Voorhees and Joseph A. Dietz, of Buffalo, N. Y.; Wm. H. Hall and Elmer D. Woodcock, of Lockport, to manufacture bicycles. Capital stock, $10,000.

Milwaukee, Wis.—J. W. Wernken, appointed agent for the Thistle bicycles. Until recently he was manager of Buze, maker Bros.' cycle department.

Milwaukee, Wis.—The Chief Mfg. Co. is preparing to manufacture bicycles, and is perfecting its factory arrangements.

Newark, N. J.—The Folding Bicycle Co. has been incorporated by Lewis F. Curtis of New Milford, Conn., and Frank Hughes, and Michael Ryan, of Bridgeport, Conn., to manufacture a newly patented folding bicycle. Capital stock, $100,000.

New Orleans, La.—Rice, Born & Co.-Hardware, have added a bicycle department.

New York, N. Y.—The Marshall Bicycle Pump Co. has been incorporated by C. B. Boynton, Newark, N. J.; E. W. Dickinson and A. D. Marshall, of New York City, to manufacture bicycle pumps and bicycle attachments. Capital stock, $5000.

New York, N. Y.—The Phillips Mfg. Co. has been organized to manufacture the Phillips wheel.

Peoria, Ill.—The Peoria Rubber & Mfg. Co. has been incorporated, with a capital stock of $200,000, to manufacture bicycles. Erection has been commenced on the necessary factory buildings, and these are under contract to be completed within sixty and ninety days.

Pittsburg, Pa.— The Bindley Hardware Co. will add a bicycle department. Contracts have been made for several leading wheels, and the company will prepare for distribution among the trade a special bicycle catalogue.

Portland, Me.—The Brockton Power Co. has been incorporated, with George F. Morse, of Boston, as president; Wilbur I. Bishop, of Lowell, as treasurer, to manufacture, buy and sell bicycles and parts of same. Capital stock, $1,000,000.

San Francisco, Cal. — Pacific Coast Bicycle Co. has been incorporated.

South Portland, Me.—The Lovell Bicycle Works have commenced operations with a force of fifteen men, engaged in making the necessary tools for bicycle manufacturing. Work will shortly commence with about 200 men on an order of 6000 bicycles.

Toledo, Ohio.—J. H. Young, of Chicago, is preparing to establish a bicycle factory. Operations are to begin immediately, employing a large force of men.

Toledo, Ohio.—The Nelson-Hubbell Bicycle Supply Co. is the name of a new firm which has commenced business at No. 342 Summit Street. The firm is composed of Robert E. Nelson, of the wholesale jewelry firm of Robert Nelson & Co., and Mr. Hubbell, of the Second National Bank.

Toledo, Ohio. — Wilson & Soars, box manufacturers, announce their intention of erecting bicycle manufacturing plant, capable of turning out 1200 wheels the first year.

Waltham, Mass.—The Waltham Mfg. Co., manufacturers of the Orient Cycle, will open offices and show room at No. 240 Broadway, New York City, with James S. Holmes, Jr., as manager. The company are preparing to manufacture the L. A. W., which they interpret as being the Leading American Wheel. The sprocket will carry the letters L. A. W., also the wings, being similar in appearance to a large L. A. W. pin.

Washington, D. C. — J. A. Thorn and George E. Shaw are preparing to commence the manufacture of bicycles, turning out a medium grade wheel, and catering specially to the Southern trade. They will purchase new and modern machinery.

Changes and Removals.

Fitchburg, Mass. — The Iver Johnson Arms & Cycle Works, manufacturers of bicycles, firearms and sporting goods, will hereafter market their cycles under the name of the "Iver Johnson Cycle."

Kalamazoo, Mich.—The Rhodes-Bartholomew Bicycle Co. will remove its plant to Allegan, Mich., that place having offered a bonus for $3000 and a factory site.

Leadboro, Col. — Brown & Wood, bicyclists, reported to have dissolved partnership.

Lyndhurst, N. J.—McKee & Harrington, who make the Lyndhurst Bicycles, have removed their factory to Nos. 173-178 Grand Street, New York.

Rochester, N. Y.—The Rochester Wheel Co. has removed to Brockport. S. B. Robey is proprietor of this concern, which is sometimes erroneously referred to as the S. B. Robey Wheel Co.

Syracuse, N. Y.—L. C. Smith Tire Co. reported sold out to Spaulding Bros. Will remove the business to Chicopee Falls. Improvements are to be made on the tire.

New Goods and Improvements.

Buffalo, N. Y.—Frank Miller & Co., bicycle manufacturers, will largely increase their manufacturing facilities, and besides manufacturing bicycles, will manufacture hubs and handle-bars.

Buffalo, N. Y.—The Mercury Cycle Works are completing the erection of a new factory and will move into it about November 1st. The capacity of their new plant is between 5000 and 8000 wheels.

Freeport, Ill.—Stover Bicycle Works have doubled their capacity, which now is 12,000 bicycles a year.

Mukwonago, Wis.—The Mystic Bicycle Co. has increased its capital from $10,000 to $25,000.

Toledo, Ohio.—The Colton Bicycle Co. will largely increase the facilities of their plant, and are now engaged in putting in much additional machinery.

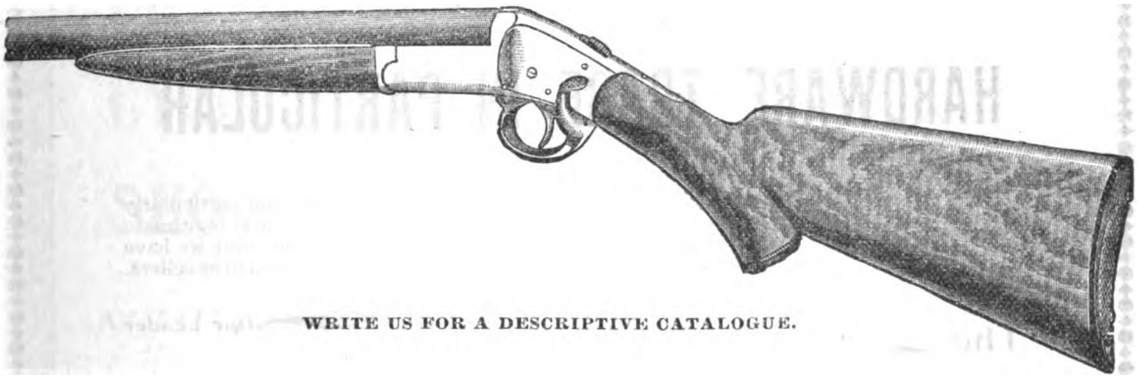
Recent Fires.

Corning, N. Y.—Harry G. Reynolds, bicycles, damaged by fire.

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The Three Champions

1. Champion Single Guns by Name
2. Champions by Reputation . .
3. Champions for Fifteen Years.



WRITE US FOR A DESCRIPTIVE CATALOGUE.

Ask your dealers to see them; "there are others," but don't take them, for there is only one CHAMPION GUN, and there can be only one.

Iver Johnson's Arms & Cycle Works,

We make all kinds of Revolvers And have made them since 1871.

FITCHBURG, MASS., U. S. A.

FOR SALE!

A LARGE MANUFACTURING PLANT.

Lately used as a Bicycle works. Large part of shafting and pulleys already in position, so that machinery could be attached and operations begun at once. Capacity, 15,000 Wheels per annum. This property, with water-power, is well adapted to many kinds of manufacturing purposes, and will be sold cheap. For further information, address

JAS. DICKSON, 98 4th Ave., Pittsburgh, Pa.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.



When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD

BICYCLES

A complete line of Light Bicycles.

Strong--Serviceable--Satisfactory.

THE CRAWFORD MFG. CO.,

FACTORY,

HAGERSTOWN, MD.

NEW YORK BRANCH, 70 & 72 Reade St.

ST. LOUIS BRANCH, 608 North 4th St.

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Syracuse Cycles Spin to Win

Keep Yoar Eye on the Crimson Rims.

FOR THE

HARDWARE TRADE IN PARTICULAR

Have we purchased our lines of Bicycles for 1896. Having particularly in view a desire to secure good agents in the most legitimate channel (which we believe to be the hardware store) we have closed contracts for makes of wheels that cannot fail to be sellers.

Our Leader

The

SYRACUSE

An Unequaled High Grade Wheel.

The Easiest Sold.

Distinctive Features.

THE BEST ADVERTISED WHEEL IN THE WORLD.

9 MODELS.

We will also Represent in the East, the

NATIONAL SEWING MACHINE CO'S. LINE

The ELDREDGE

The BELVIDERE

High Grade, Right jn Price, Elegant in Finish.

Also Wheels Specially Manufactured under Our Own Brand

THE VALIANT. ✳ THE GIRARD.

Both Comprising All Up-to-Date Improvements.

Prices Right for the Masses.

JUVENILE WHEELS, SUNDRIES.

We want live hustling agents.

Write for Catalogue and Prices.

SUPPLEE HARDWARE CO.

PHILADELPHIA, PA.

Syracuse Agents are Happy People.

Syracuse Cycles Sell Themselves.

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THE CHICAGO CYCLE SHOW

AT TATTERSALL'S

under the auspices and sanction of The Board of Trade of Cycle Manufacturers.

January 4 to 11, 1896.

Enormous Auditorium.... Over 300 Exhibition Spaces.

The same careful attention that marked last year's show will be paid to the interests of visiting agents.

REDUCED RATES ON ALL RAILROADS.

For further particulars, address:

THE NATIONAL CYCLE EXHIBITION CO.,

334 DEARBORN ST., CHICAGO.

Our 1896 Jobbing Line is now ready.

Our Defiance or jobbing line of bicycles, including 24, 26 and 28 inch wheels for both children and adults, is ready for inspection, and our travelers are now on the road. Defiance bicycles are made of the very best bicycle material, by the most skilled bicycle mechanics, in the finest equipped bicycle factory in the world. They are strictly up-to-date, and in beauty of design and finish, in lightness, strength and speed, they are particularly prominent.

DEFIANCE

bicycles are made by the makers of the Monarch, the best bicycle in the world, which is sufficient guarantee of their excellence. We invite correspondence from dealers and jobbers. As we have already closed several large contracts, and are daily closing others, delays are dangerous. Our largely increased manufacturing facilities will enable us to make prompt delivery, a most important consideration, as many dealers who contracted with small manufacturers for this season's trade know to their sorrow.

Monarch Cycle Mfg. Co.,

Lake, Halsted & Fulton Sts., Chicago, Ill.

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AUCTION NOTICE.

E. BISSELL, SON & CO.,

AUCTIONEERS.

Tuesday & Wednesday, Nov. 19th & 20th,

AT 10 O'CLOCK EACH DAY,

At No. 12 Murray Street, and 15 Park Place, New York.

LAST TRADE SALE THIS SEASON OF

TABLE & POCKET CUTLERY, CARVERS, PLATED WARE, &C., &C.

Comprising a large assortment of goods suitable for **Thanksgiving** and **Holiday Trade**, including **Several Thousand Dozen Table Knives** and **Forks, Fine Stag, Celluloid** and **Pearl Carvers, Fruit** and **Medium Knives.** A **large line** of **Pocket Cutlery** and **Shears,** also a good assortment of

Fine First Quality Cutlery in Cases,

SUITABLE FOR

HOLIDAY PRESENTS.

Also **ROGERS Medium Knives, Tea** and **Table Spoons** and **Forks,** &c., &c.

Also for Foreign Account

69 Fine 8-Day Onyx French Clocks.

50 18 Size Hunting Case Gold Plated Watches with Swiss Movements.

ALSO BY ORDER OF

Messrs. Manning, Bowman & Co.,

AND OTHER EASTERN MANUFACTURERS,

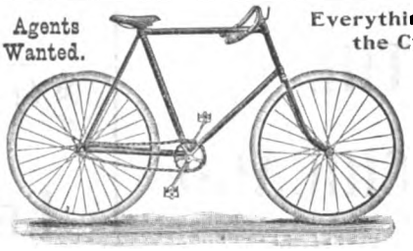
A Choice Lot of **Quadruple** and **Triple Plated Hollow Ware, all Stamped,** comprising Tea Sets, Butters, Tilting Pitchers, Berry Dishes, Cracker Jars, Castors, &c., &c. Also on

TUESDAY, NOVEMBER 19th at 1 o'clock,

About **5000 PAIR** Club Skates, manufactured by **"Raymond," "Winslow Skate Mfg. Co.", "The Keene Mfg. Co."** The Skates are **first quality,** discarded numbers, and will be sold **by the case** and in **open lots.** The **entire sale** will be sold **without reserve** and will be **worthy** the **attention** of the **Trade** and **Buyers** of **Holiday Goods.**

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

WE ARE AGENTS FOR

WM. JESSOP & SONS' Cast Steel.
WASHBURN & MOEN MFG. CO.'S Wire Rope.
BOSTON BELTING CO.'S Rubber Goods.
ALEXANDER BROS'. Oak Tanned Belting.
JARECKI MFG. CO.'S Steam Fittings, etc.
PEET VALVE CO.'S Valves.
ERICSSON Hot Air Pumping Engines.
Chicago Emery Wheels.
Black Diamond Files.
RUSSELL & ERWIN'S Screws.
P. & F. CORBIN'S Builders' Hardware.
LANDERS, FRARY & CLARK'S Table Cutlery.
GENEVA TOOL CO.'S Agricultural Tools.
SAMUEL WINSLOW SKATE MFG. CO.'S Ice Skates.

WRITE US FOR PRICES.

THE W. BINGHAM CO.,

146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**

FAITH

—IN—

ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

HARDWARE.

NOT LUXURIES, BUT NECESSITIES.



That's what are our **Home Repairing Outfits**

and that is why **Every Farmer Wants One.**

They're going like Hot Cakes, and will make you money, sure.
Write for prices and full description.

The ROOT BROS. CO., Sta. J, Plymouth, Ohio.

FROM Holroyd & Co. WATERFORD, N.Y.

STOCKS AND DIES AND THREADING TOOLS.

WHY NOT SELL

LINENOID PORTABLE BATHS?

White Enamel Finish.

WRITE FOR DISCOUNT.

CRANE BROS., Linenoid Manufacturers

WESTFIELD, MASS.

Linenoid Pin Tray Free.

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We are Wholesale Agents for

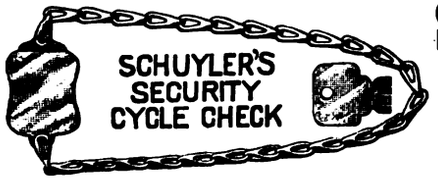
A. Featherstone & Co.'s

For prices apply to

A. M. SCHEFFEY & CO.,

92 Reade Street, New York.

Road King Bicycle.
Road Queen "
Duke "
Duchess "
Prince "
Princess "
Middy "
Midget "



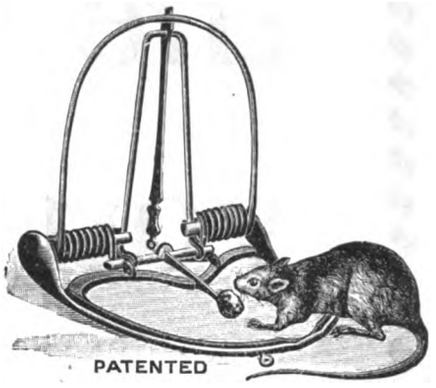
Handsomely Nickel Plated. Light and Strong. Key fastens in lock when not in use. The neatest and most secure Bicycle lock on the market.

Schuyler's New Rat Killer.

DO THEY SELL?

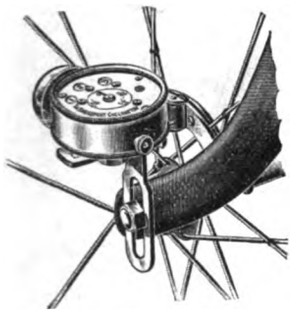
"The only traps that sell on their merit after being used. Send us five gross at once."
Builders' Hardware Co.,
New Orleans, La.

"In six days we sold 126 traps and could have sold 100 more if we could have gotten them."
Omohundro Hardware Co.,
Whitesboro, Texas.



Our traps are adopted and used by the U. S. Government, and by nearly every Museum of Natural Science in the United States and Europe. Easy to set—pull up the spring and it snaps in place. Folds for packing in handsome shelf boxes. Write for circulars and prices. If your Jobber will not furnish them write to us. **Remember, We pay the freight.**

J. R. SCHUYLER & CO., BLOOMSBURG, PA.



DING! THAT'S HOW THE BELL RINGS
On a Model "B"
BRIDGEPORT CYCLOMETER
At the end of every mile.

This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

Rings a Bell at Every Mile.
FULLY GUARANTEED.

Sold by all dealers at a low price. Discount to the trade upon application. Send for catalogue.

The Bridgeport Gun Implement Co.,
313-315 Broadway, New York.

A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

Our Tires Are All Right.

WE MAKE

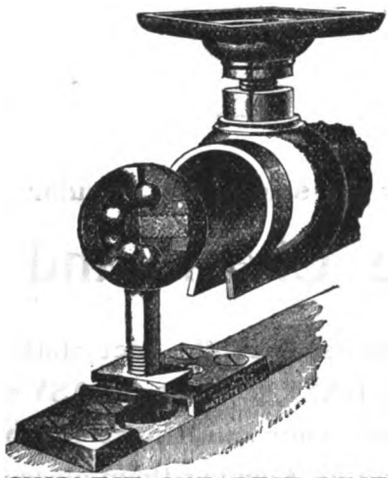
Single Tube, Double Tube and Detachable Tires.

Spaulding & Pepper Co.,
Chicopee Falls, Mass.

Fenton Bicycles.

Excellence Unexcelled.

McCABE BALL BEARING DOOR HANGERS.
ENTIRELY OF STEEL.



SIMPLEST, CHEAPEST, BEST.

Adjustments above and below the track without removing the door.

After trying this you will use no other.

Send for catalogue or order a set at once and see why it is without an equal.

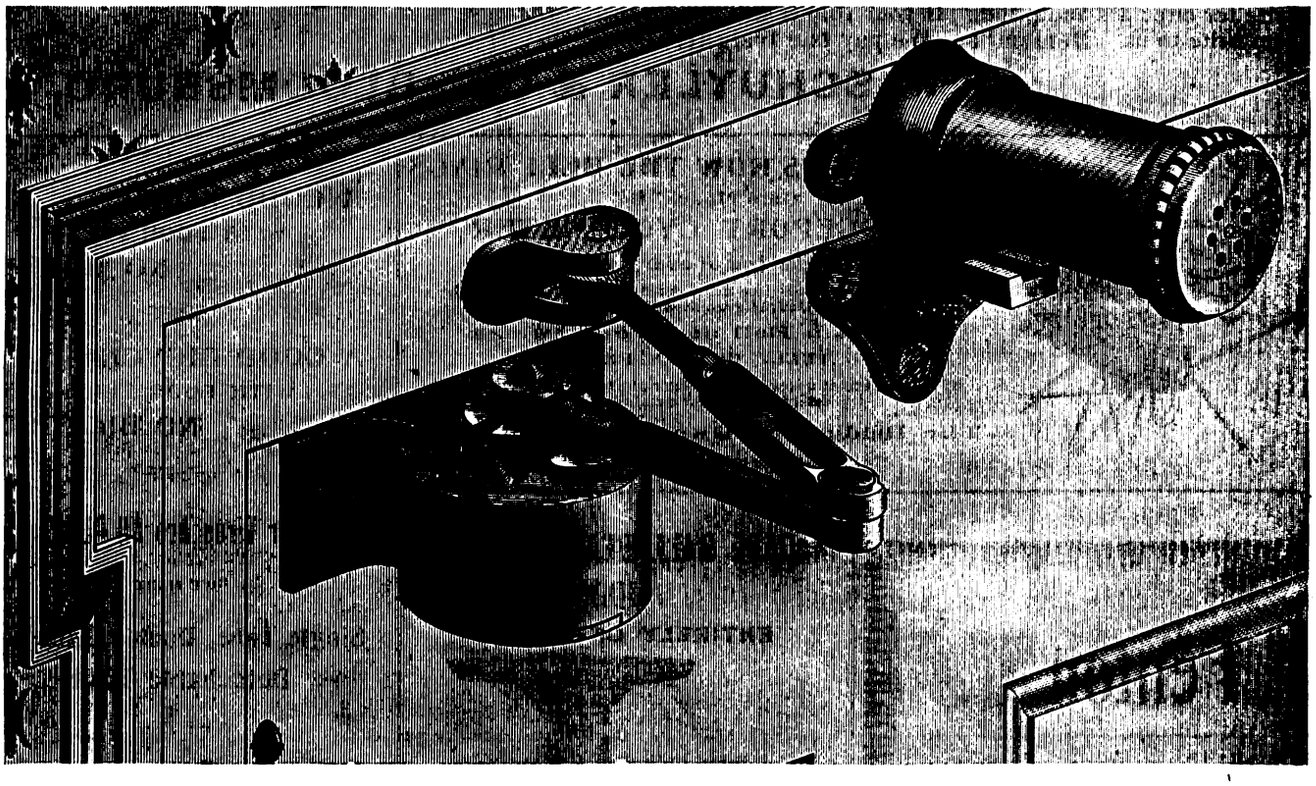
McCABE MANUFACTURING CO.,
532 to 542 West 22d St., - NEW YORK.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

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before the snow flies you may



reap a handsome profit by the sale of the popular and easy-selling

Eclipse Check and Spring.

Increased demand demonstrates the fact that the Eclipse holds the market against all imitations. It is EASY to put on, EASY to sell and it is PROFITABLE to the Hardwareman. Show your customers the best device ever produced for closing doors noiselessly and for keeping them closed against drafts.

Sargent & Co., Manufacturers, **New Haven, Conn., and New York.**

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HIGHEST GRADE IS THE

ZENITH

LOOK FOR STARS

WATCH THE ZENITH

KEEP YOUR EYES ON OUR ZENITH.

6 BRIGHT STARS IN OUR ZENITH

GAZE ON US

SEE THAT PLATE

Large Tubing, Large Hubs, and Large Balls.
Tool Steel Bearings, Absolutely Dust Proof.
Reversible Handle-Bar. Narrow Tread.
Easily Detached Cranks, Simple and Strong.

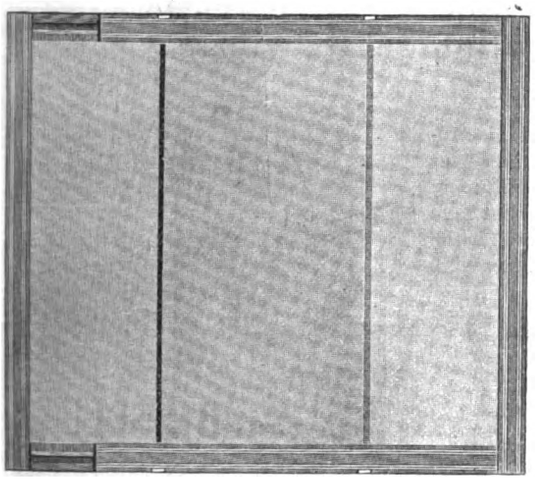
ZENITH CYCLE CO.

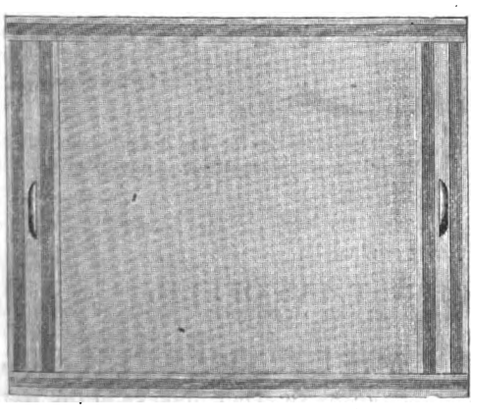
Now is the time to write us
for Advance Sheet.
We want Agents everywhere.

BINGHAMTON, N. Y.

Mention Hardware.

Honest Money





Ought to buy Honest Screens

The New Flyer Window Screen

Made a wonderful run the past season. There is something about it that pleases everyone—Jobber, Retailer, User. Probably there were never so many screens of a kind sold in the same length of time.

That the goods gave splendid satisfaction is evidenced by the fact that the largest buyers of last season have already bought in large quantities for '96. There never was a handsomer screen, nor one with easier, larger adjustment or fewer obstructions or objections.

In Wing Screens

Our improved forms of the Bonanza and Perfection patterns will not be excelled in beauty or utility.

The New North-west Window Screen Frame takes well, and
The Phillips Improved Frame holds its own.

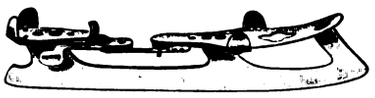
The Machine Work on Phillips' Goods

Is done on the best machinery and by experienced workmen and not by children.
The goods ought to be—and are—the smoothest and best made.
Send for new catalogue of Screen Doors and Windows and Novelties.

The A. J. Phillips Company,

FENTON, MICH.

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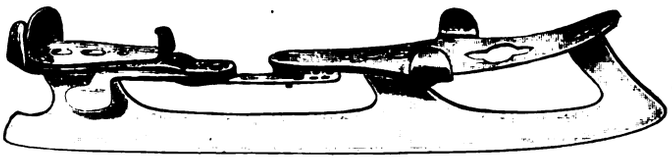


The Name

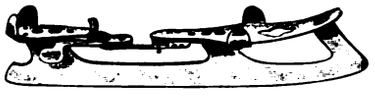


WINSLOW

MEANS

ICE  SKATES

Do you intend to handle Skates this Winter?
If so, send for Catalogue and Full Information to









FOR GOOD ADVERTISING.

$100.00 CASH PRIZES,

THIS Christmas our assortment of electrotypes is both better and larger than ever before. We shall not only take pleasure in sending them free, same as heretofore, but have also decided to offer three cash prizes for the three best advertisements of Bissell sweepers as

CHRISTMAS GIFTS.

First Prize, ...	$50.00 in Cash
Second Prize, . . .	30.00 in Cash
Third Prize, ...	20.00 in Cash





THE electrotypes cost you nothing. They will be sent to you charges prepaid. You must advertise something. Why not carpet sweepers? There is not a more popular lady's Christmas Gift in the world than a BISSELL SWEEPER, and they are just as profitable as they are popular. It costs you nothing to try. You are certain of a good profit on every sweeper you sell, and if your "ad" wins it is a neat sum easily earned.

INFORMATION.

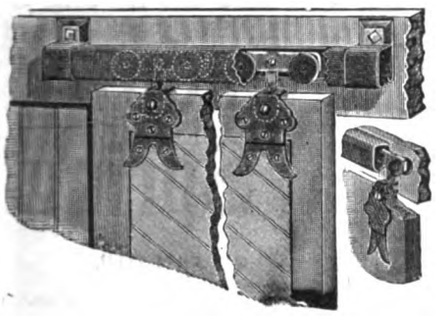
1.—The SAME electrotype will be sent to but one dealer in the same town and will be mailed to the first dealer who orders it.
2.—A copy of each newspaper containing each "ad" must be mailed to the Bissell Carpet Sweeper Co., Grand Rapids, Mich.
3.—No advertisement will be received after December 31st, 1895.
4.—There is no limit to the number of "ads" from any one person.
5.—This offer is confined entirely to our customers and their employes.
6.—Each "ad" may contain one or more of these electros or may be entirely original.
7.—Checks for prizes will be mailed as soon as possible after December 31st, 1895.

Send for folder showing full assortment of Christmas Electrotypes and full particulars of **A CHRISTMAS OFFER**, the equal of which has never been made by ANY manufacturer, at ANY time, for ANY purpose in the history of the Carpet Sweeper business TO-DAY is the DAY to send for it.

Factory and Main Office: GRAND RAPIDS, MICH.
Export and Eastern Branch: 103 CHAMBERS ST., NEW YORK CITY.

BISSELL CARPET SWEEPER CO.,
Largest Sweeper Makers in the World.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.



McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.



FOR "POULTRYMEN"

THE "DAISY" BONE CUTTER.

BEST IN THE WORLD.

"Gem" Clover Cutter. The $5 Shell and Corn Mill. Farm Feed Mills, Powder Mills.

Send for circular and testimonials.

WILSON BROS. Sole Mfrs., **EASTON PA.**



ELECTRIC WASHING MACHINE

MADE OF

Best Virginia White Cedar.

All Trimmings, Castings, &c., Galvanized.

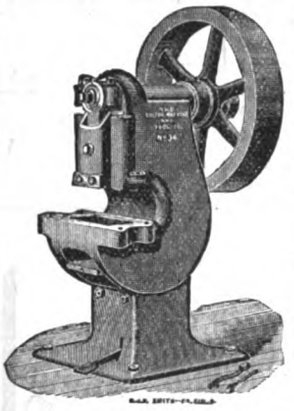
• AN EASY SELLER. •

Prices and Catalogue gladly sent on application.

Richmond Cedar Works, Man'f'rs of Woodenware,

RICHMOND, VA.

Mention HARDWARE.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.

Write for Catalogue and prices.



L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.



MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839.

Registered March 31, 1874.

Patented July 6, 1880.

Patented July 8, 1884.

Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞Straight Bar, Extra Long Nut for Screw in Jaw.☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

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DRAUGHTS kept out.
HEAT kept in.
GLASS won't break.
DOORS won't slam.



Thousands in use.

NOW is the time to stock up.

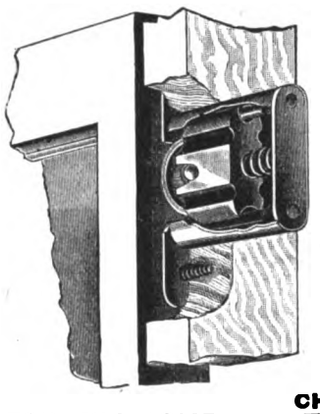
ADDRESS

The Norton Door-Check & Spring Co.,

CHAS. S. PENHALLOW, Treas.,

505 Sears Building, BOSTON, MASS.

THE COLBURN



Window Spring.

PATENTED.

Entirely new, simple, easily adjusted, practical, cannot break, and will last a lifetime. "You push the window, the little wheel and tension spring does the rest."

CHEAP

FOR THE HOME

Have this Spring put in your house. The cost is ½ less than weights and cord. You can easily and quickly adjust it to any window. It don't get out of order.

PERFECT

FOR HOTELS

This creates a revolution in window springs. Hotel windows raised or lowered with perfect ease.

INDISPENSABLE

FOR R. R. CARS

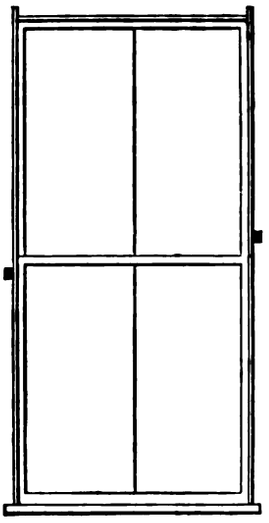
Car windows opened with ease and held at any desired position: no unexpected dropping.

INVALUABLE

FOR INSIDE BLINDS

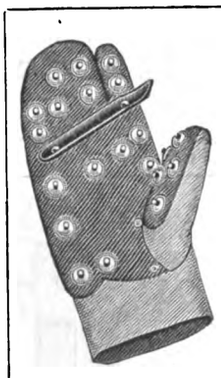
How easily you can manipulate a Venetian Blind when the Colburn Spring holds it.

SATISFACTORY.



Prices, $42.00 and $52.00 per gross.
A Liberal Discount to the Trade.

General Agent for United States. **E. A. WORTHEN, Burlington, Vt.**



Corn Husking Goods.

THE LARGEST LINE,
BEST STYLES.

ASK THY JOBBER FOR
BLAIRS.

BLAIR HUSKING GLOVE CO., Bucyrus, Ohio.



Dumb Waiters..... that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

Liberal Discounts to Dealers. Send for Catalogue.

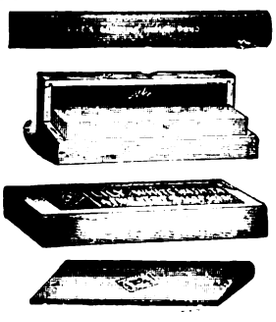
ENERGY MFG. CO.,

1223 S. 15th Street, PHILADELPHIA.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

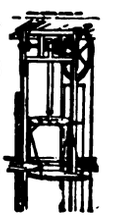
GREEN MOUNTAIN,
CAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

Improved Quick and Easy Rising Steam, Electric and Hand Power



ELEVATORS

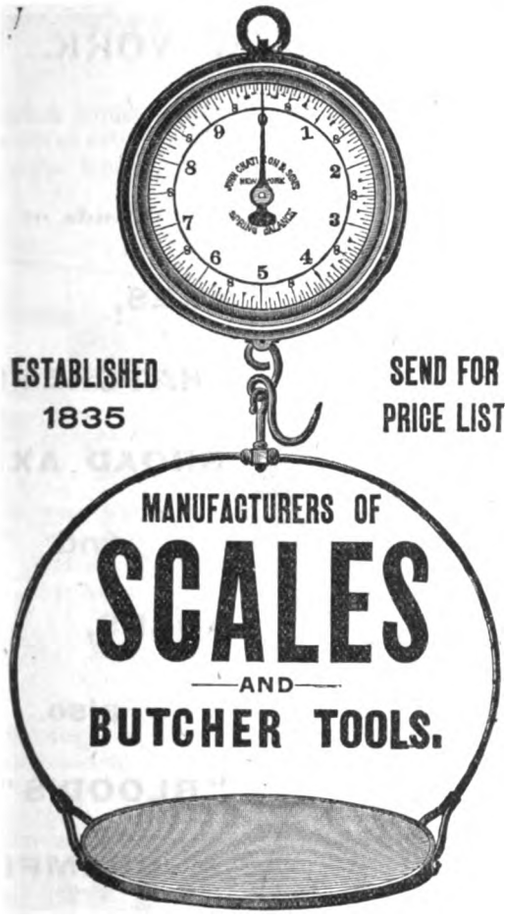
Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

SEND FOR PRICE LIST

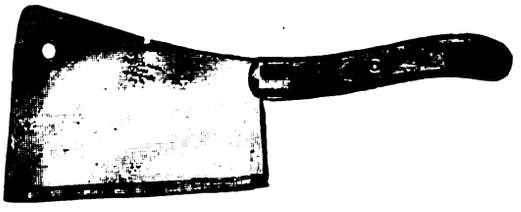
MANUFACTURERS OF

SCALES

—AND—

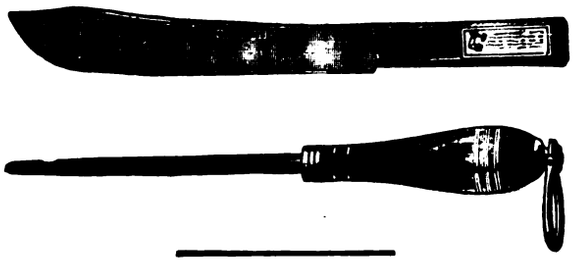
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
C. P. GOSS, Treasurer and Manager.

Scovill

Manufacturing Company,

(Established A. D. 1802.)

WATERBURY, CONN.

DEPOTS:

423 Broome St., New York. 210 Lake St., Chicago.
84 Summer St., Boston.

MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process. It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

NOVELTIES IN

Brass, German Silver, and Aluminum Made to Order.

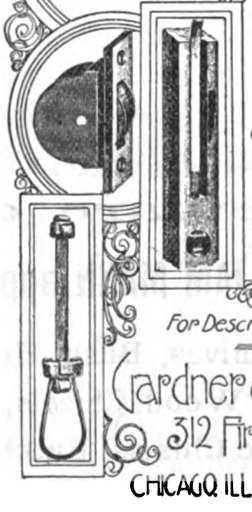
☞ *Mention "Hardware" when you write.*

Gardner Sash Balance Co.



MANUFACTURERS OF

Aluminum Bronze Sash Ribbon
Sash Ribbon Attachments
Ribbon Sash Pulleys
Chain Sash Pulleys
Rope Sash Pulleys
Ventilating Sash Bolts
Steel Door Fasts
Gardner Steel Sash Locks
Gardner Transom Lifts



For Descriptive Catalogue address

Gardner Sash Balance Co.
312 First National Bank Building
CHICAGO, ILL.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed a highway bridge over the Still River, at New Milford, Conn., consisting of one span of 170 feet, with a roadway 20 feet wide in the clear. The bridge is 105 feet above the bed of the river.

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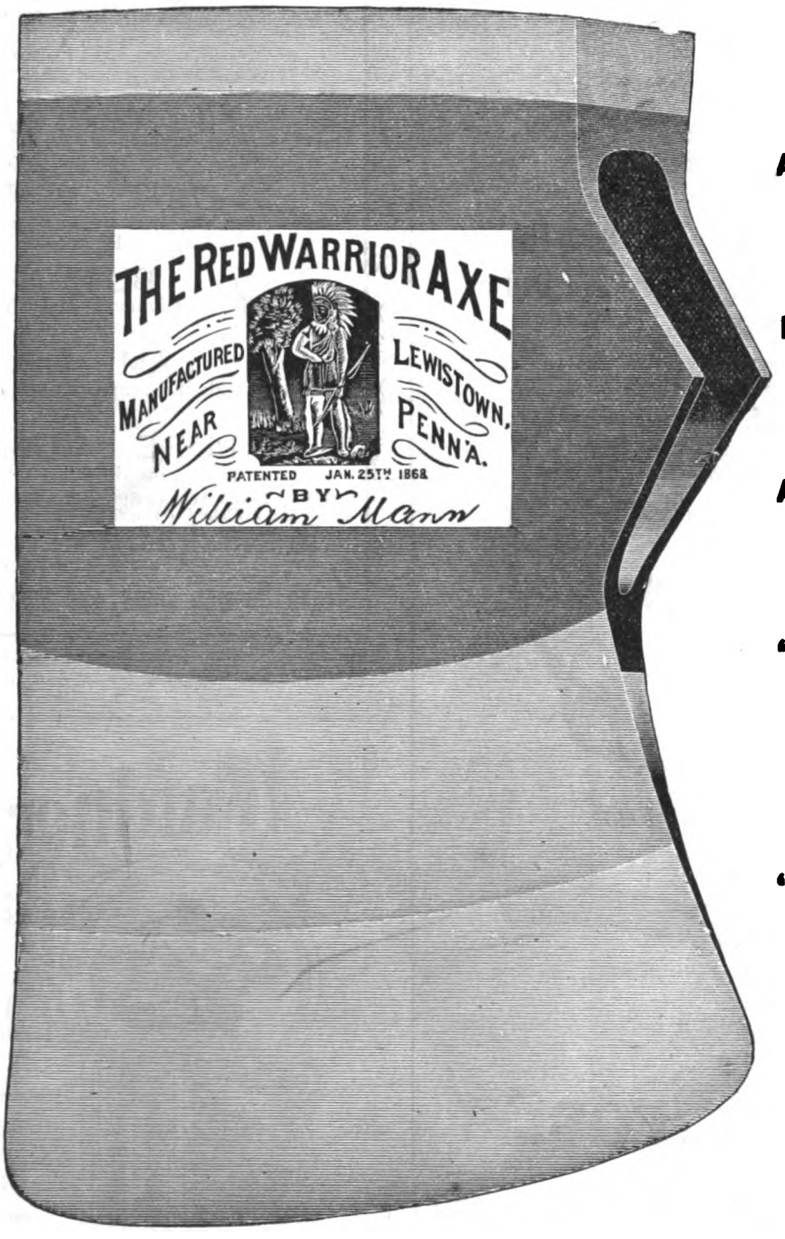
THE AMERICAN AXE AND TOOL CO.,

- - Telephone Number, 1023 Cortlandt. - -

253 BROADWAY, - NEW YORK.

MANUFACTURERS OF

BLOOD,
HUNT,
LIPPINCOTT,
REDWARRIOR,
MANN,
HURD,
PEERLESS,
JAMESTOWN,
ROMER,
FRANCIS,
SHARPS,
UNDERHILL,
STEWART,



Brands of

AXES,
HATCHETS,
BROAD AXES
and
ADZES,
also
"BLOOD'S"
CHAMPION
and
"HUBBARD'S"
DIAMOND
BLADE
SCYTHES.

Beware of Imitations!

The name **WILLIAM MANN** appears on all genuine Red Warrior Axes.

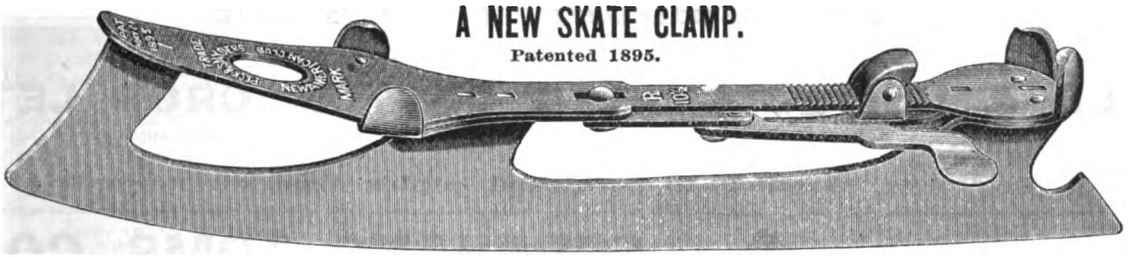
Grass Hooks, Corn Knives, Bush Hooks, Ice Picks, Ice Axes, Ice Hatchets and Firemens' Axes, Wood Chisels, Picks, Mattocks, Brick Hammers, Box Openers, Ice Chisels, Butchers' Handled Axes, Meat Hatchets.

ALWAYS IN STOCK:

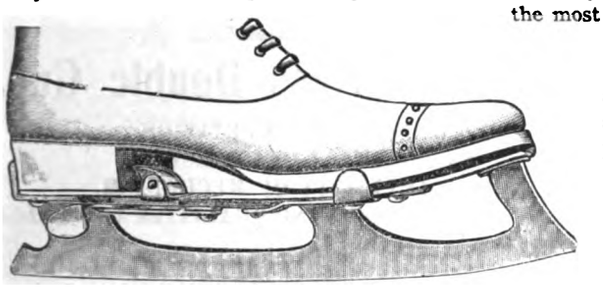
Best Leading Brands of Axes and Edge Tools. Cheap Handled Axes. Medium Grade Axes. Boys' and Hunters' Axes.

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PECK & SNYDER'S NEW AMERICAN CLUB SKATE.



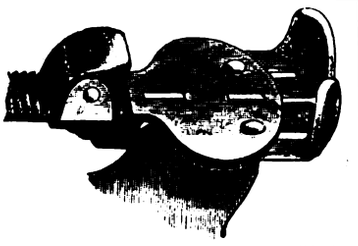
Peck & Snyder's NEW AMERICAN CLUB SKATE for 1895 has revolutionized the art of skate making. New American Club represents an entirely new heel clamp that will fit any heel instantaneously. The old method of clamping to the heel is entirely done away with. It cannot slip, is stronger, acts instantaneously, no screwing or adjusting necessary, saves time, and is without question the most perfect heel clamp ever invented.



MADE IN FIVE GRADES.

Peck & Snyder's New American Club Skate is the most perfect skate ever constructed. It has simplicity of adjustment, solid foot plates, solid heel clamps, and will fit any heel.

The Clasps Cannot Slip. Sure Grip. Thumb Screws and Sets entirely disregarded. It is Light, Handsome, and Twice as Strong as the old club skate.



HERE'S THE NEW CLAMP.

Ask your jobber to show you samples of the **"New American Club."** If he doesn't carry them, send direct to us for samples and prices. Handsomely illustrated catalogue of this skate mailed on application. Address

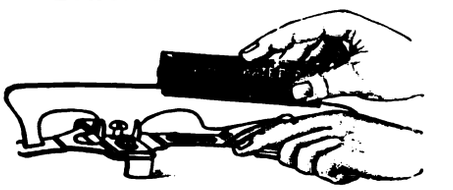
A. G. SPALDING & BROS.,

Successors to PECK & SNYDER.

NEW YORK,	CHICAGO,	PHILADELPHIA,
126-130 Nassau St	147-149 Wabash Ave.	1216 Chestnut St.

Factory, Chicopee Falls, Mass.

LYNCH'S SKATE PLANE.



Every man, woman and child can now sharpen their own skates. The Lynch Skate Plane, for concave or square runners. Is the best skate sharpener ever manufactured. Any one can use it. It will last for years, is perfect in every way, and fully guaranteed.

Retail Price, 25 cents. Weight, 4 oz.

"U. S." Club Skates

For Season of 1895 and 1896.

Manufactured by

P. LOWENTRAUT.



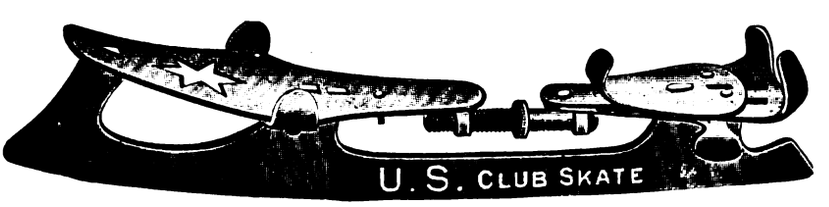
"U. S." LADIES' CLUB SKATE.

SEVERAL new numbers have been added to our line making it complete in all grades.

OUR CATALOGUE is now ready and will be mailed on application. . . . . .

SEE our skates and write for prices and terms. . . . . .

"U. S." CLUB SKATE.



Sole Agents, John H. Graham & Co.,

P. O. Box 1042. 113 Chambers Street, New York.

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BANKERS. **CLAPP & COMPANY,** BANKERS.

Mills Building, New York.

ISSUE THEIR ANNUAL

WORLD & UNITED STATES COTTON CROP LETTER

OCTOBER 24th.

Applicants furnished copies free.



FOREHAND ARMS CO.'S

LATEST MODEL

Ejector and Non-Ejector

Hammerless Double Gun.

WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address

FOREHAND ARMS CO.,

WORCESTER, MASS.

THE PARKER GUN A WINNER.



The First Prize at Grand American Handicap, April 5, 1895, was won with a PARKER GUN.

Also First and Second at Interstate Handicap, Pittsburg, 1895.

ASK YOUR DEALER FOR A PARKER.

The PARKER is unexcelled in perfect construction, beauty of finish, symetrical lines and Shooting qualities.

New York Salesroom, 96 Chambers St. **PARKER BROTHERS, Meriden, Conn.**



Seed's New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three.

A 1,	$4.50	per doz.
No 2,	2 50	"
No. 3,	1.75	"
No. 4,	.90	"

J. H. SEED, Man'f'r.

21 & 23 Centre Street, New York.

TWO FAVORITES.

The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-.65 Remington, and .38-.55 Marlin and Ballard. Made to order only.





THE REMINGTON HAMMERLESS.
Ten Styles.

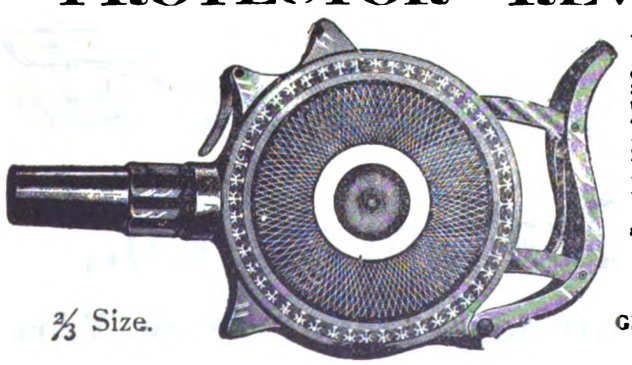
Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

REMINGTON ARMS CO.,

Works, ILION, N. Y. New York Office Bicycle Dept., 313 and 315 Broadway.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action Seven shots. Can be carried in the hand ready for action without attracting attention and easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,

Chicopee, Mass., U. S. A.

GEO. J. WELLS, Agent,

88 Chambers St., New York.

BEST AND CHEAPEST

STONE WATER FILTER

ON THE MARKET.

Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

F. H. WEEKS, - AKRON, O.

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At Last We've Got "'Em," SHARPENERS THAT SHARPEN!

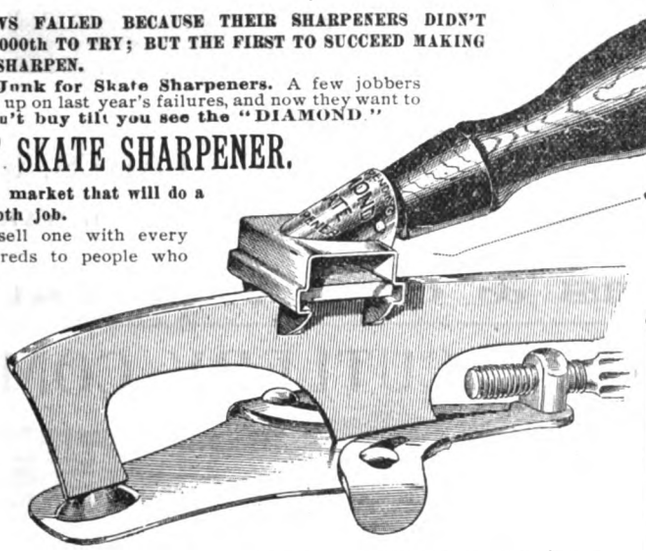
THE OTHER 999 FELLOWS FAILED BECAUSE THEIR SHARPENERS DIDN'T SHARPEN. WE ARE THE 1000th TO TRY; BUT THE FIRST TO SUCCEED MAKING SHARPENERS THAT WILL SHARPEN.

Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "DIAMOND."**

THE "DIAMOND" SKATE SHARPENER.

The only Sharpener on the market that will do a clean, smooth job.

HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.



SOMETHING ENTIRELY NEW!

Every Boy Sharpens his own Skates.



See that Pivot!

Fits the Curve of any Skate.

All our Sharpeners are elegantly nickel-plated and packed one dozen in a box.

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For Sale by the Following Wholesale Hardware Houses:

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Hibbard, Spencer, Bartlett & Co. Wells & Nellegar Co., } Chicago.
Simmons Hdw. Co., St. Louis.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.
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The "Diamond" Knife Sharpener

Puts a **keen, lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.

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Write for Descriptive Circular with Prices and How to Advertise Your Business Free.

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THE WM. SCHOLLHORN CO.,

New Haven, Conn.



"Star" Straight Trimmer (Oval Pattern).

MANUFACTURERS OF

The Celebrated "Star Brand" Shears and Scissors, and "Elm City" Shears in large variety.

ALSO MANUFACTURERS OF

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In all styles and sizes for various purposes.

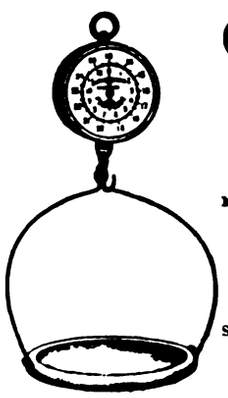
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LAMSON & GOODNOW MF'G. CO.,



Manufacturers of Fine Cutlery, Butcher, Druggists' and Painters' Knives, Celebrated Anchor Brand Carvers, etc.

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Tack, Shoe and Wire Nail MACHINERY,

KIMBAL BROS. & CO., Mfrs.,

Send for Prices. **BROCKTON, MASS.**

TWO PATENTS FOR SALE.

Two Valuable Patents. One the Gokey Grinding and Calk Sharpening Machine (which is illustrated on page 41 of this issue). Money in this. Also three States for the Woodward Combination Carriage and Cradle. This also is No. 1. This is a great chance for smart man. Write for description and then hustle. Not often such a chance as the above.

E. A. WORTHEN,
Burlington, Vt

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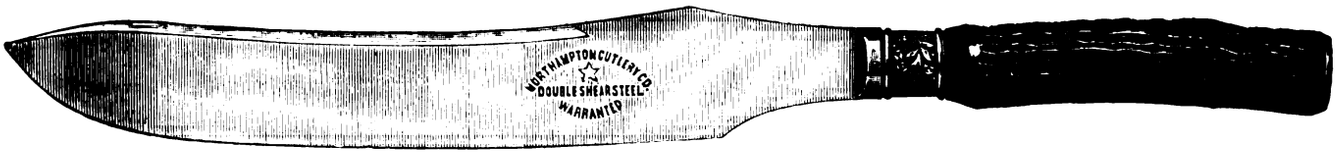
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NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

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ONE HUNDRED AND FIFTY YEARS.

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COATES CLIPPER MFG. CO.,	
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES. ETC.
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WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

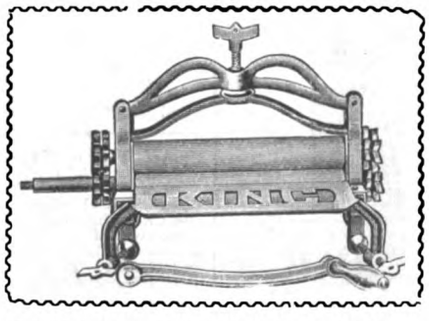
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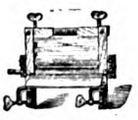
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HIGH GRADE, WARRANTED.







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SKATE GRINDING MACHINERY

WILL GRIND HARD SKATES OR SOFT.

IMPROVED FOOT POWER GRINDERS.

Prices Reduced.

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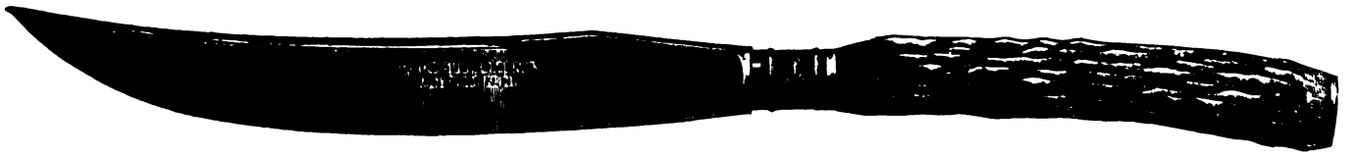
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Our business has grown out of all proportion to any other manufacturer of

CUTLERY IN THE U. S.

Is that while our goods are unsurpassed in finish and general appearance our special aim has been to adapt them to the purpose for which they are to be used.



In the matter of Carvers, your customer wants a Knife to cut with as well as to look at. All our Carver blades are made from carefully tested Butcher Knife Steel. They take and hold a fine cutting edge.

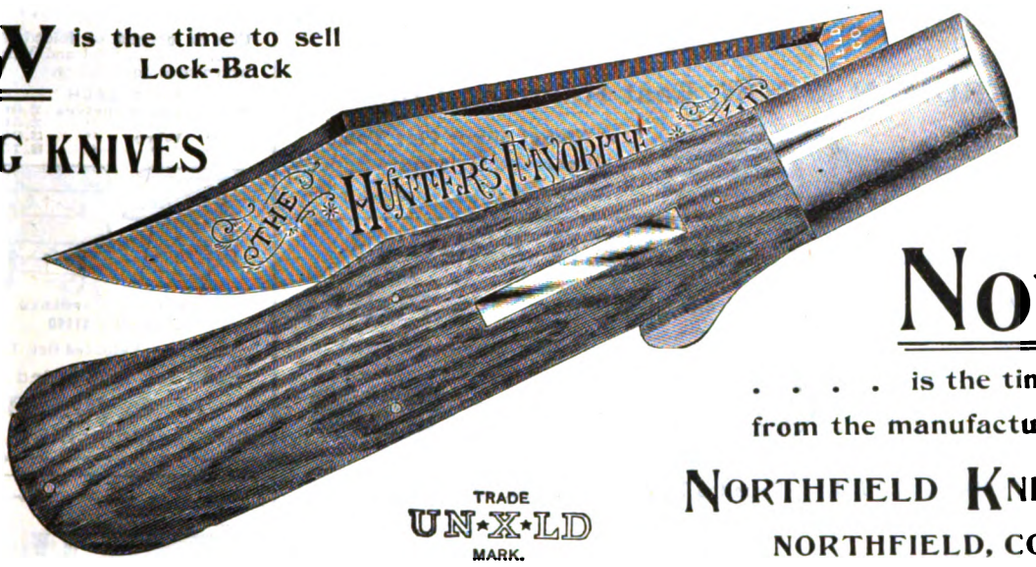
We also make Table Knives, Butcher Knives, Shoe Knives in great variety. All fully Warranted.

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TRADE UN★X★LD MARK.

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ALL KINDS UNDER THE

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Power Clippers, both hand & mechanical.
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Barbers Adjustable,
The best made.

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A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.

10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



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"DUPLEX"

WROUGHT BUTTS.

Double Thicknesses of Cold Rolled Steel and Wrought Bronze
STEEL PINS, BALL TIPS, STEEL BUSHED.

They are better than the ordinary kinds.

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GENUINE

CHISELS | CARVING TOOLS
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"STAMPED WITH THE BUCK'S HEAD,"
THE STANDARD FOR 40 YEARS
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Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
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And bears the TRADE MARK Rogers TRADE MARK Trade Mark.

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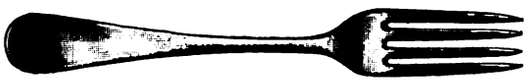
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Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

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Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

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Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

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TEA SPOONS,	per gro.,	$22.50
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Office, 35 Barclay Street. *Warehouse, 40 Park Place, New York.*

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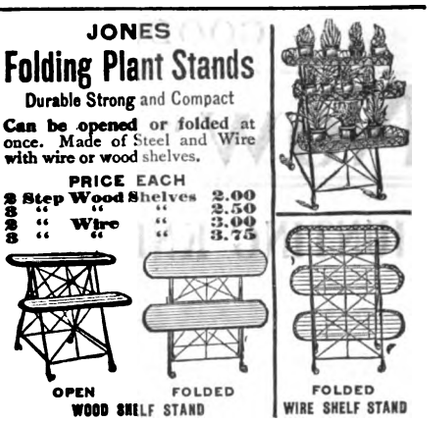
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Folding Plant Stands

Durable Strong and Compact

Can be opened or folded at once. Made of Steel and Wire with wire or wood shelves.

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2 Step	Wood Shelves	2.00
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OPEN WOOD SHELF STAND FOLDED FOLDED WIRE SHELF STAND

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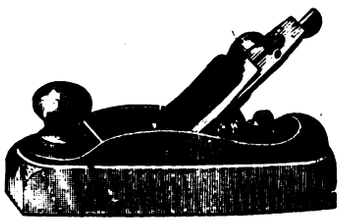
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If you wish to learn something to your advantage, send for a sample copy of

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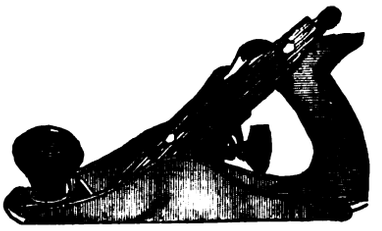


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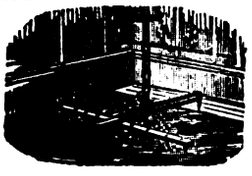


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The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

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and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

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R. HEINISCH'S SONS CO., NEWARK, N. J.

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Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

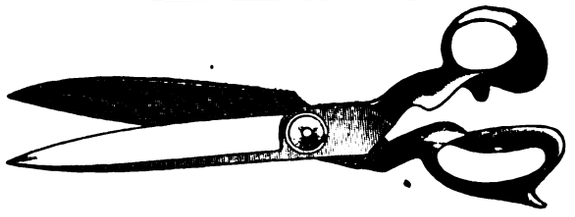
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Made in great variety but of only one grade, the

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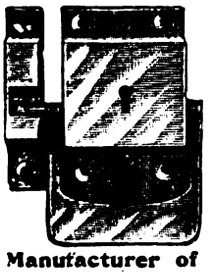
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Write for Illustrated Catalogue of August, 1898, and discount.

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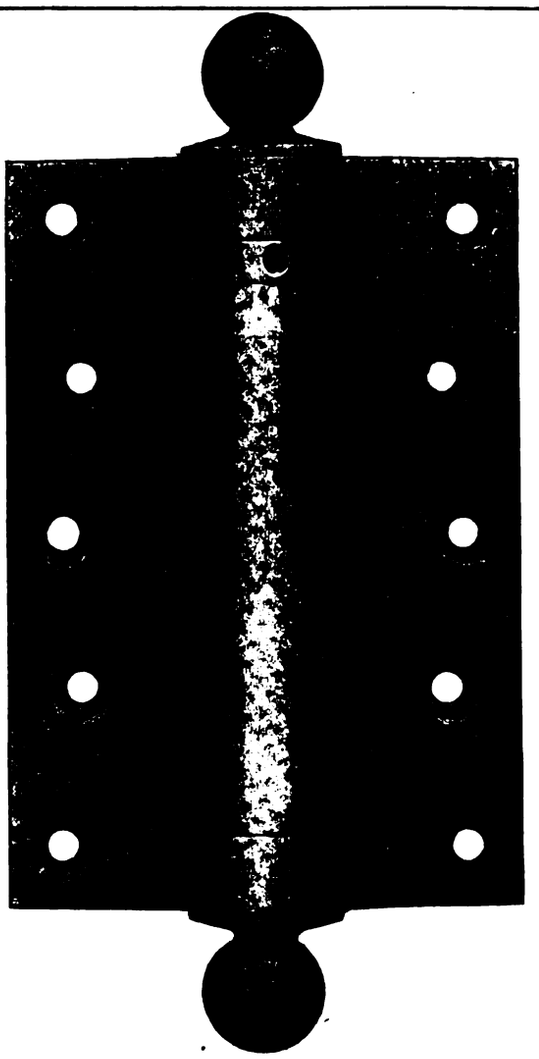
The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easil with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

P. J. CONROY,
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Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

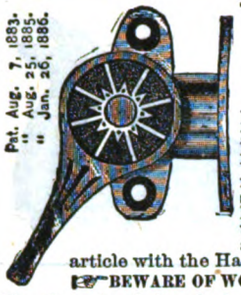
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New York, 82 Chambers St. Boston, 200 Franklin St.
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Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

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Specialties in

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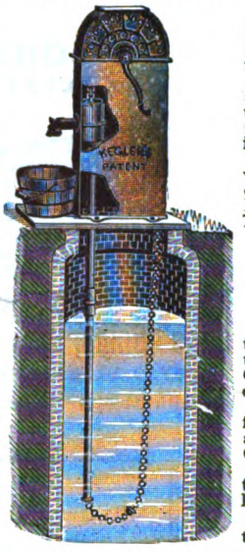
CLOCK and INDICATOR POINTERS.

CLARK & COWLES, Plainville, Ct.

Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT Galvanized Iron Tubing and Curb



No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.
More Durability.
Less Weight.

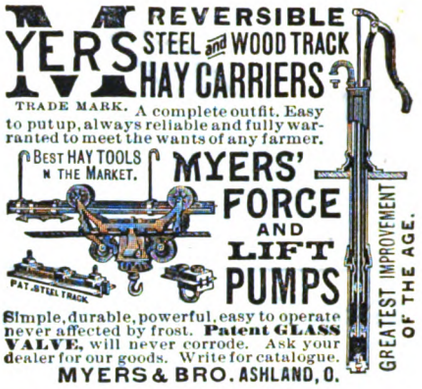
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MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.



WE PAY THE FREIGHT.

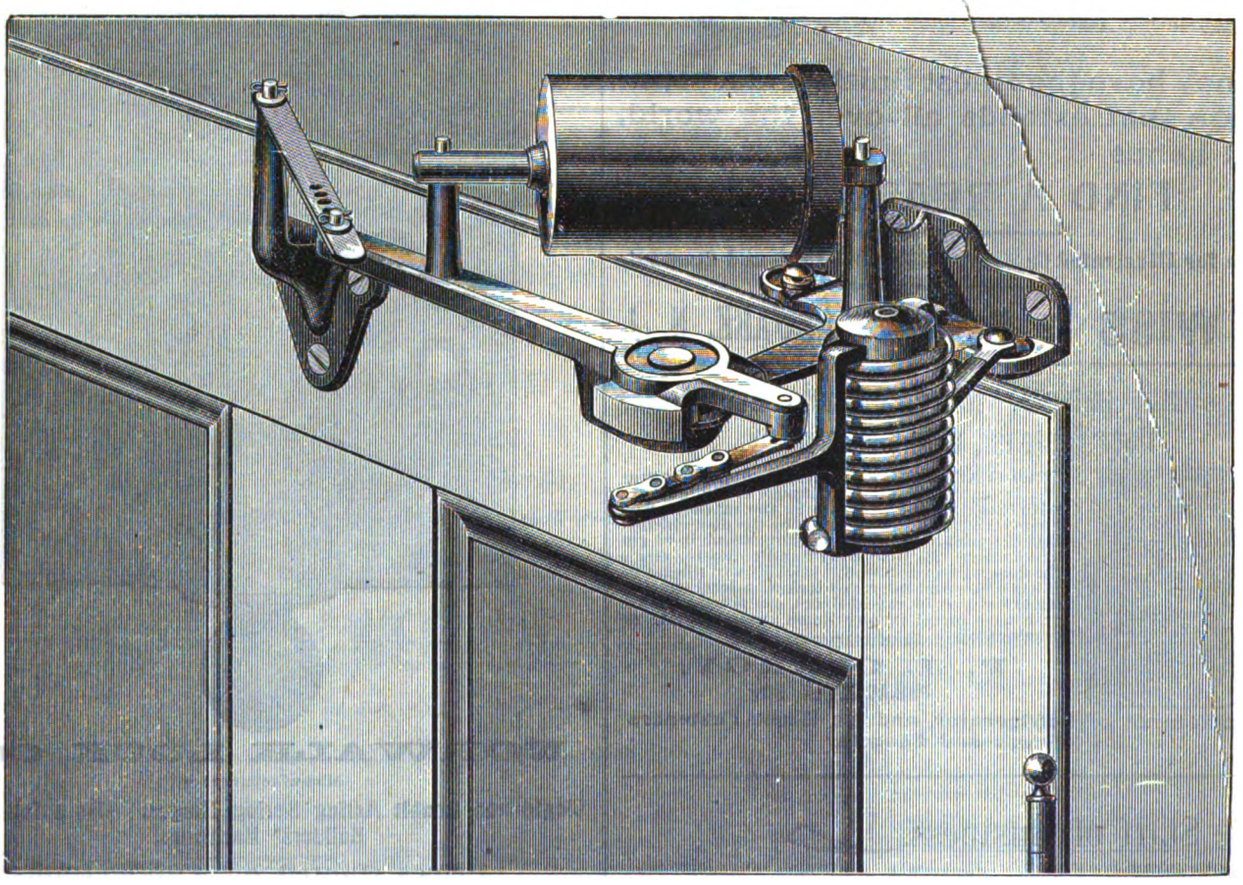
Instead of trying to crowd our goods upon an unwilling market the past two years, we have been working for better processes—to make **better goods for less money,** and now "we have got there with both feet." Our **pails are larger** than other makes, yet **cost no more.** Made of **strong fiber, wound,** and **steel bound,** they don't split open, nor chip off at edges. They have a **chime** you can **catch on** to, and a truss bottom that don't warp, loosen or leak.

All "Standard" Pails, Slop Jars, Spittoons, Wash Basins, etc., are **water-proofed** and **indurated throughout** by our newly applied process, and are **absolutely unsoakable.**

An **Ebony enamel,** hard and smooth, gives "Standard" ware an **attractive** appearance, and a **durable** finish. **Scores of families** in every county will use it largely if it can be got "at the store." **Do you want their trade?** Lots of 100 lbs. or more, delivered f. o. b. cars, at their depot, to all responsible dealers.

TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

"HOME" DOOR CHECK AND SPRING COMBINED.



Nos. 100 to 104 and 130 to 134. Patented.

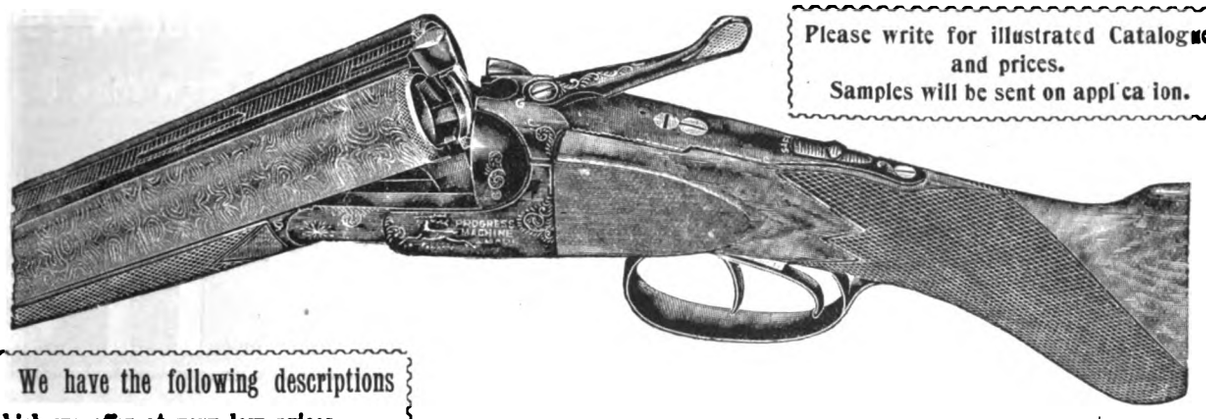
RUSSELL & ERWIN MANUFACTURING CO.,

SOLE MAKERS.

NEW BRITAIN, CONN. - NEW YORK. - PHILADELPHIA. - BALTIMORE. - LONDON.

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Double Barrel Breech Loading Guns.



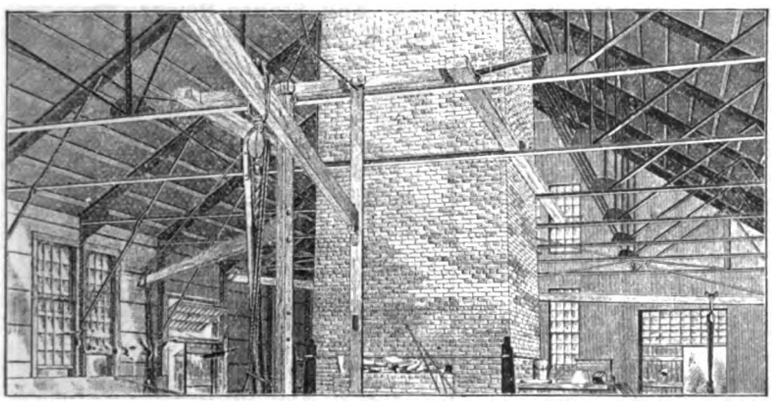
Please write for illustrated Catalogue and prices.
Samples will be sent on application.

We have the following descriptions which we offer at very low prices.

No. 1309. New Steel Barrels, Blued, Side Lever, Back-action Locks
No. 2017. Same as above, but **Genuine Twist Barrels.**
No. 1330. Columbian Twist Barrels, Top Lever, Extension Rib. Back-action, Rebounding Locks, Pistol Grip, Rubber Butt. Complete Back-action Gun.
No. 1330. Same as above, but Bar Locks.
No. 1302. Complete Back-action, **genuine Twist Barrels.**
No. 1304 Complete Bar Locks, Damascus Barrels.
No. 1346. Hammerless Gun, **as above cut. The cheapest Gun in the market.**
No. 1099. Complete Bar, Genuine Twist, English made gun. **Very good, very cheap.**
No. 1199. Same as above, but 2 bolt.
No. 1299 Very Fine Two Stripe Damascus, Deeley and Edge fore end. Complete in all respects.
No. 5788. Fine Foreign Twist Barrels. Complete in all respects.
No. 1699. Extra Fine Damascus Barrels. Greener's patent treble wedge, fast cross bolt. Complete in all respects.

It will pay anyone wanting Breech Loaders to write us for Catalogue and prices. We call special attention to a large assortment of **Muzzle-Loaders** which we are offering at prices **that will sell them.**

ALFRED FIELD & CO., 93 Chambers Street, New York.

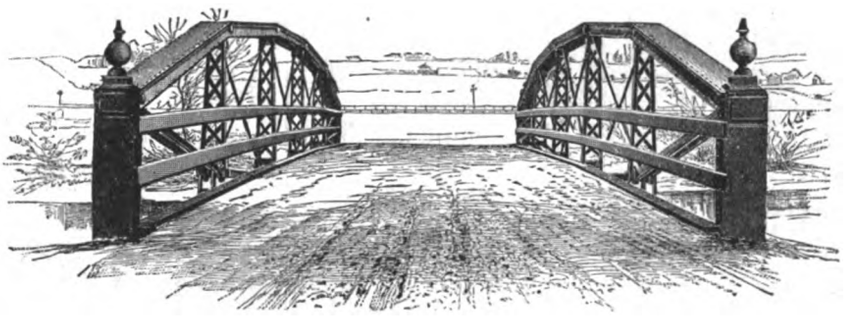


The above illustration is taken direct from a photograph, and shows the interior construction of an Iron Casting Shop designed and built by us for the Waterbury Brass Co. at Waterbury, Conn. The building is 52 feet in width by 110 feet in length, and built entirely of iron; that is, iron sides and iron roof. The danger from fire in a brass casting shop is very great, and a construction of this kind eliminates this danger entirely.

THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders of Iron and Steel Buildings, Roofs, Bridges, etc., etc.

Send for Illustrated Catalogue.



The above illustration, taken direct from a photograph, shows the construction of a Parabolic Truss Bridge designed and built by us at Jamestown, N. Y. The bridge consists of one span of 76 feet, with a roadway 16 feet wide in the clear.

Office and Works, East Berlin, Conn.

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NICKEL PLATING OUTFITS.

ZUCKER & LEVETT & LOEB CO.
OFFICES, 526, 528, & 530 W. 25TH ST.
NEW YORK, U.S.A.

SEND FOR CATALOGUE OF NICKEL & ELECTRO PLATING SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

Howard Iron Works,

BUFFALO. N. Y.

Manufacturers of

Bench Vises.

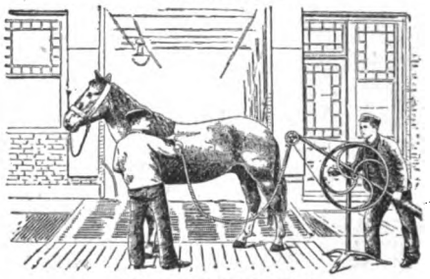
Price Lists sent on application.

HEADQUARTERS FOR

"PRIZE WINNER" HORSE CLIPPERS.

Hand, Bicycle, Electric and Steam Power.

MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.

The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST

and most DURABLE MACHINE made.

The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE

FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade. Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

Gillette Clipping Machine Co.,
201 East 23d St., New York
WESTERN AGENTS:
J. H. FENTON & CO.,
153 Michigan Ave., Chicago, Ill.

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ENTERPRISE

BONE, SHELL AND CORN MILL.

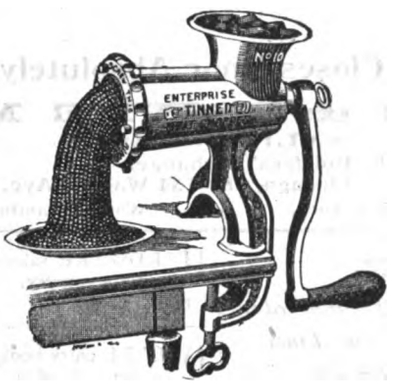
NO. 750.



PRICE $7.50.

Meat Chopper,

TINNED.



NO. 10, ...
. LARGE FAMILY SIZE,
. . . PRICE, $3.00.

. SAUSAGE . STUFFER AND LARD PRESS.



'.' NO. 25---4 QUARTS. '.'

PRICE, $5.00.

. . . . ALL THE LEADING JOBBING HOUSES SELL THEM. . . . .

Catalogue mailed FREE upon Application.

THE ENTERPRISE M'F'G CO. of PA., Philadelphia, U. S. A.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

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Dealers in the United States & Canada sell Houchin's Specialties.

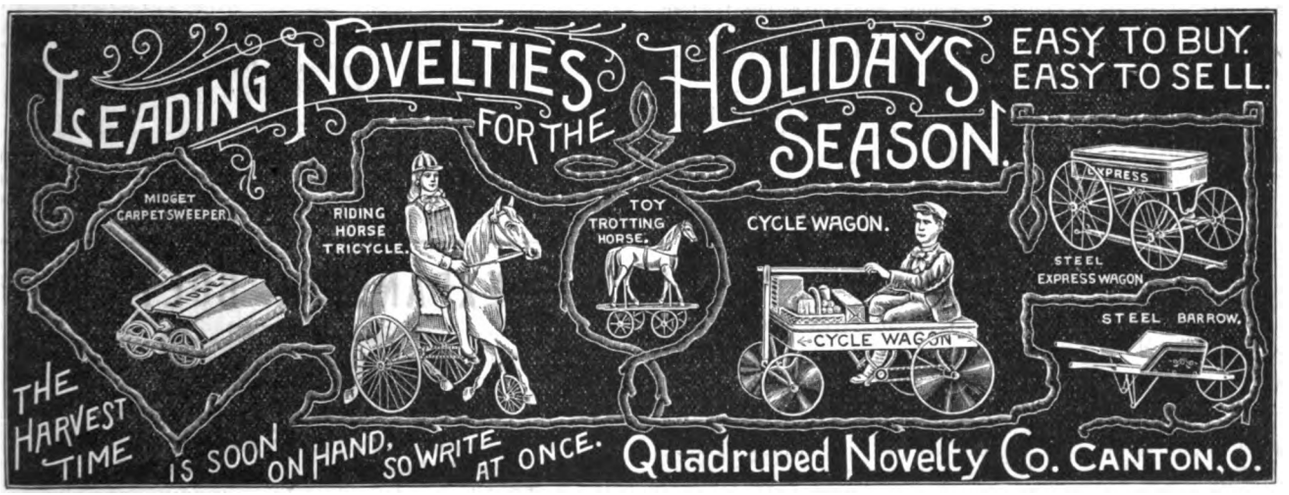
If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

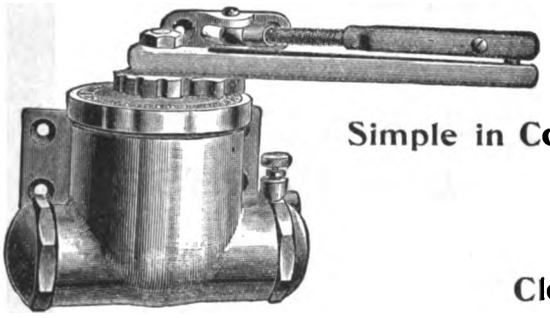
POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.



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BLOUNT DOOR CHECK.



A PERFECT DOOR CHECK AND SPRING.
Correct in Design.
Positive in Operation.
Simple in Construction.
Easily Attached.
Perfect Adjustment.
Easy Action in Opening.
Closes Door Absolutely without Slam.

THE YALE & TOWNE MFG. CO.,

SALESROOMS:

New York, 81-86 Chambers St. Buffalo, Builders' Exchange. Boston, 224 Franklin, St.
Philadelphia, 1120 Market St. Chicago, 151-154 Wabash Ave. San Francisco, Mills Building.

General Offices: 280 Broadway, New York. ◆ Works: Stamford, Conn, Branford, Conn.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—Profitable side line. Salesmen calling on Hardware trade can make big money for next two months. A strictly holiday specialty. Address QUADRUPED NOVELTY CO., Canton, Ohio.

HARDWARE SALESMAN.—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address BALTIMORE JOBBER, care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care HARDWARE, No. 143 Chambers Street, New York.

BY a prominent Hardware house, a first-class clerk who understands the builders' department, competent to take a leading position; good address and able to give the very highest references. Address "Builders' Department," care of W. B Fox & Bro., No. 97 Chambers Street, New York City.

WANTED—A good tinner. One who thoroughly understands roofing, spouting, job work, and heating by hot air and by hot water. Must be an American and temperate, and not over forty years of age. State wages for nine hours' work. Steady job for the right man. Address Geo. Rome & Co., Carnegie, Pa.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION wanted with large house by practical builders' Hardwareman (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa., Harriett & Kelly, East End.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

BY young man, 23 years of age, sixteen years' experience in Hardware, butchers' and grocers' supplies Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE salesman, sixteen years' experience, wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty-ninth Street, New York.

WANTED a position as buyer of mill supplies and assistant manager of help with a manufacturer, by an American, 38, with sixteen years' practical experience. A1 references. Address "Buyer," care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, 30 years old, twelve years' experience as salesman, desires a position in the Hardware, cutlery and sporting goods lines; well-known to the New York and Eastern buyers; good testimonials. Address L. E., care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—A position by a young man as traveling salesman who has an established trade in the Middle Western States. Thorough knowledge of tin-plate, files and rasps, builders' Hardware. Salary or commission and expenses. Address "SALESMAN," HARDWARE, No. 143 Chambers Street, New York.

THOROUGHLY competent and experienced traveling salesman wishes to correspond with some Jobbing house that will recognize hard work and push. Correct habits and best of reference from present employers as to ability, integrity and business capacity. Address "Competent," care HARDWARE, No. 143 Chambers Street, New York City.

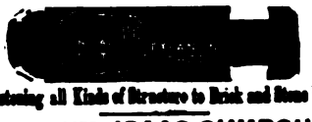
YOUNG man, 21, having had over four years' experience with two well-known New York concerns in the builders' Hardware and ornamental iron manufacturing business, desires similar occupation, or anything which requires a quick and accurate figurer and writer. Best of reference. Address A. B. H., No. 39 East 106th Street, New York City, N. Y.

ENGLISHMAN (27) requires situation as traveler—commission or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

YOUNG man, 27, desires position as Bookkeeper, correspondent, collector or salesman. Good references. Address J. C. H., P. O. Box 307, Newark, N. J.

WANTED—A position as retail Hardware clerk by a young man of 24 years of age, with five years' experience and best of references. A position in Southwest Missouri, Texas or the South West preferred. Address W. Lasar, No. 3004 Olive Street, St. Louis, Mo.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue. Toledo, O

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Situations Wanted.

A GOOD pushing live salesman with practical knowledge of patented novelties, would like position either to handle agents or personally introduce new goods. Address R. D. R., No. 480 Washington Avenue, Brooklyn.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and cha acter. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

BUILDERS Hardware salesman, capable of taking charge of department; accurate in taking items from plans and specifications, wishes position with good house. Address D. A. R., care HARDWARE, No. 143 Chambers Street, New York.

POSITION as salesman for tin-plate and metal house, by an American, who has had some eighteen years' experience at the Hardware, stove and tin business. Have full knowledge of the tinner's trade. Desires position with some good tin-plate and metal house. Will work to their interest, too. Am 34 years old. Let me hear from you what you can offer. Address G. H. S., Box 332, Madison, Ohio.

AS salesman, by a middle-aged man. Long experience in stoves, Hardware and house-furnishing goods. Understands all details. Tinner also. Will do any inside work. Location no objection. References. Moderate salary. Address "Capable," care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter houses. Best of reference if required. Address W. S. BUCHANAN. Oakland P. O., Louisa County, Va.

GOOD selling specialties wanted to handle in western New England. F. E. WHEELER, No. 476 Main Street, Springfield, Mass.

WANTED by traveling salesman for a large Hardware house, a side line of pocket cutlery, scissors, etc., visiting New York towns and cities. Address L. K. Wadsworth, South Butler, Wayne County, N. Y.

Side Line Offered.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

WANTED—Salesman to handle as a side line, a first-class line of pocket cutlery and scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address L. M. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED salesman to handle as a side line a first-class line of Pocket Cutlery and Scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address R. S. T., care of HARDWARE, No. 143 Chambers Street, New York.

SALESMEN in every State wanted to take as a side line a patented article on commission. Goods sold at sight and are demanded by all classes. For particulars, address T. MFG. Co., Box 7, Malden, Mass.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co , Canton, Ohio.

SALESMEN that canvas the retail Hardware trade in New York, Pennsylvania, Ohio, Michigan and Indiana, and want a good side line, address, stating territory covered and class of goods now selling, "Side Line," office of HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesman to take a good line of white metal spoons and forks and other novelties as a side line on commission. Call or address M. L., Room 1, No. 221 Fifth Avenue, Chicago, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

Hardware Store Wanted.

TO purchase a retail Hardware store with a moderate sized stock, having a good location in a live, growing town. Must have a good trade, and doing a good business. Address JOHN R. SWARTZ, Hughesville, Pa.

Export Agency Wanted.

GENTLEMAN of wide experience and undoubted integrity will shortly remove to Germany, and desires to represent American manufacturers abroad. Propositions may be addressed to "Export," care W. H. H. Hull & Co., Tribune Building, New York.

Patent for Sale.

FOR SALE: One-half or whole of United States and Canada patents, recently allowed on the only Adjustable Ratchet Monkey Wrench now made. Demand great. A big winner. Address Owner, No. 231 S. Lincoln Street, Chicago, Ill.

For Sale.

FOR SALE—In one of the best manufacturing towns in Ohio, a stock of Shelf and Builders Hardware, Paints, Oils, and Agricultural Implements; stock will invoice $17,000 to $19,000; clean and in good shape. Store does a business of $40,000 per annum. Apply to T. B. Rayl Co., Detroit, Mich.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

For Sale or Rent.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

A NEW, large manufacturing plant, hitherto used in manufacturing reapers and mowers, but well adapted to other uses; thoroughly equipped wtth machinery, tools and appliances of best modern make, all ready to steam up and run; at St. Louis Park, just outside of Minneapolis, Minn., with street car connections; the property being situated alongside of the Minneapolis & St. Louis, and Chicago, Milwaukee & St. Paul railroads with switch connections. For particulars address Geo. C. Squires, St. Paul, Minn.; C. F. Forster, 638 Rookery, Chicago, Ill., or John Little, Xenia, Ohio.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Quotations Wanted.

THE Mechanical Rubber Co. (successor to the Cleveland Rubber Co.), Cleveland, Ohio. wish quotations on Hose Fittings, Clamps, Bands, Reels, Specialties, etc., for the 1896 trade.

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THE
CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCKS ON EARTH.

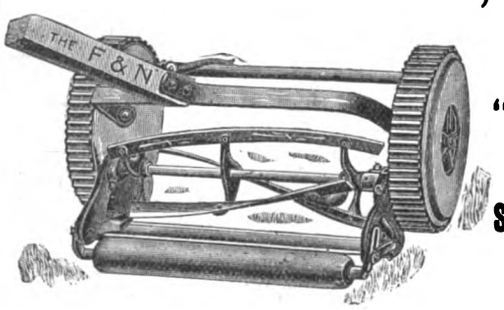
UP TO DATE.

Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

General Agents:
Topping Bros., New York.
Boston & Lockport Block Co., Boston.
Woodward, Wight & Co., Ltd., New Orleans
Miller, Sloss & Scott, Inc., San Francisco

WHY NOT
Do Your Own Plating?
OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?
WE FURNISH COMPLETE OUTFITS,
THE HANSON & VAN WINKLE CO.,
CHICAGO. NEWARK, N. J. NEW YORK.
WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

THE F. & N. MFG. CO., —Manufacturers of— Lawn Mowers and Grass Catchers,



Richmond, Ind., U. S. A.
"THE F. & N. LAWN MOWER, '95."
The Standard American Mower.
All machines fitted with
Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.
Best material, Highest class workmanship, and sold on their merits.
—— AGENTS: ——
Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston. Mass.

ATLAS TACK CORPORATION,
508 SEARS BUILDING, BOSTON, MASS., U. S. A.

BRANCHES:
DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.
CONSOLIDATED 1891.
LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1342.
TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF
Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREFT, PHILADELPHIA, PA.

Perhaps You Know All About It!



THE NEW ERA RADIATOR.—Its construction is very simple, but as a heat giver and a saver of fuel it surpasses all others.

Prices also are lower this year. Full particulars may be had by addressing

WILMOT CASTLE & CO.,
83 Elm Street, Rochester, N. Y.



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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₱ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890.40&10& 10@40&10&10&10 2 5%

GUN WADS—₱ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₱ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, ₱ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₱ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, ₱ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₱ bag.....$1.55
Buck and Chilled Shot, 5-lb bags, ₱ bag.....$ .35
Dust Shot, 25-lb bags, ₱ bag....$2.00
Dust Shot, 5-lb bags, ₱ bag ....$ .50

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 BB lb lots 10% discount.
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb.....4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb.....2.75
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb.....1.65
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb.....95
"V. G. P." for Trap Shooting, in Kegs 25 lb.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb.....1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black.....1.70
Drum, equal in bulk to 10 lb, best black.....8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Animal Pokes—
R. W. Montross, Galien, Mich.:
Camp's Success.....₱ doz. $3.80
Galien Safety.....₱ doz. $3.75
Hartman's Pivot.....₱ doz. $4.75

Anvils—
Eagle Anvils, ₱ lb 9c.....15@15&5%
Peter Wright's.....10 @10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¼c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4 00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16	24-16	
$10.00	$11.00	$12.00	$14.00	

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist.....45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₱ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Diamond ₱ doz. $1.25.....45&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₱ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal.50&10&5@60&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@40&5%
Snell's.....15&10&10%

Awls—
Sewing, Common.....60%
Should. Peg ₱ gr.....$1.50@$1.55
Pat. Peg ₱ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. ₱ gr...$1.30@$1.40
Handled Brad, ₱ gr.....$2.50@$3 00
H'ld Scratch ₱ gr.....$4.00@$4.50
Socket Scratch ₱ doz....$1.10@$1.20

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₱ doz. $7.50; No. 20, ₱ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12: 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
First quality, best brands.$5.25@5 50
First quality, other " $4.75@5.00
Beveled add 50c ₱ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—
Straight Spring balances..50&5@60%
Common 24 lb. ....₱ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₱ doz. 75c 83c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%

Beef Shavers—
Enterprise.....25%

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's.....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...66⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—
Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₱ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9, 25&10&5%
McGill's.....₱ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 ₱ doz.....30%
Millers Falls ₱ doz. $4.50.....

Bit Holders—
Extension:
Millers Falls Barber's, ₱ doz. $15 40@40&10%
Ives' ₱ doz. $30.00....60&5@60&10%

Blind Adjusters—
Domestic..₱ doz. $3..33⅓@33⅓&10%
Excelsior..₱ doz. $10.00...50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—
Millers Falls ₱ set $1 00.....20%
Austin & Eddy ₱ gro. sets.....$5.50
Gorhans Improved Star Tenon ₱ gro. $1.00.....25%
Mackerell's, ₱ doz. $1.00..20@20&10%
Merriman's Brass Lever ₱ gr. $15.00
Merriman's Iron Lever ₱ gr...$9.00
Security Gravity ₱ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₱ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—
Cleveland Block Co. Mal. Iron 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60 & 10& 5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com. Jan. 30, '95.....65&12½%
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila., Eagle, list $2.40.....80%
R. B. & W., old list.....70&10&3%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....70&10%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....70%
B. R. & W., list Oct. 16, '94.....80%

STOVE AND PLOW—
Stove.....70%
Plow.....60&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....70%

Bone Mills—
Enterprise.....30%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's, Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 50@ 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50....
Millers Falls.....		7.50.... 25%

Bow Pins—
Humason, Beckley & Co.'s.70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10%
Peck, Stow & W. Co.60&10@60&10&10%

Braces—
Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American.$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....60@70&10%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....35%

Brackets—
Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....30@30&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....25@30%
L. & L. J. White.....35%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....35%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....35%

Butter and Cheese Tryers—

Ordinary.....35%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....30&10@30&20%
Cast Brass, Tiebout's Fast Joint..60%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze..30%

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5%
Fast Joint, Broad 50&10@50&10&10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@80%
Parliament Butts.....70@10@70&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70@10@70&5%
Loose Pin, Acorns, Jap.....70&10@70&5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....5&10@80%

WROUGHT STEEL—

List, April 1, 1895.
Narrow, No. 800.....
Narrow, Loose Joint, No. 802..
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No. 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No. 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 825.....
Extra Light, No. 826.....
Light Reversible, No. 834.....
Light Loose Joint, No. 836.....
Wardrobe, Ger. Pat. No. 837⅓.
Light Narrow, No 838.....
Loose Pin, Light Nar., No. 840.
Light Inside Blind, No. 842....
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 833.....
} 75&5@75&10%

Can Openers—

Messenger's Comet..⅌ doz $3.00, 25%
American.....⅌ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ⅌ gr. $12.00.....35%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, Iron Handle.⅌ gr....$2 20@2 25
Eureka.....⅌ doz. $3.50.....10%
Sardine Scissors...⅌ doz. $3.75@3.00
Dunlap's Sardine Scissors, ⅌ doz. $5.00.....25%
Star.....⅌ doz. $3.75
New Sprague, Metallic Handles, ⅌ doz.....50c
New Sprague, Wood Handles, ⅌ doz.....60c
World's Best, ⅌ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ⅌ gr $9.00
Goodell's Acme, ⅌ gr. $3.00; ⅌ doz.75c
Universal, ⅌ doz. $3.00.....55&5%
Domestic, ⅌ doz. $3.00.....45%
Champion, ⅌ doz. $3.00.....50%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ⅌ gro $7.00.....50%
Kohler's Cyclone.....⅌ doz. 75c
Kohler's Lightning.....⅌ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@35%
Cotton.....2@25%
Wool.....2@25%

Carpet Stretchers—

Cast Steel, Polished.....⅌ dos. $2.25
Cast Iron, Steel Points.⅌ dos.75@80c
Bullard's.....25&10@40%
Dunlap's.....35%
Excelsior.....25%
Socket.....⅌ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....⅌ doz. $36.00
Gold Medal.....⅌ doz. $27.00
Prize.....⅌ doz. $27.00
Premier.....⅌ doz. $27.00
Superior.....⅌ doz. $27.00
Cosmopolitan.....⅌ doz. $27.00
Furniture Protector, Japanned.....⅌ doz. $24.00
Furniture Protector, Nickel.....⅌ doz. $27.00
Inter Ocean.....⅌ doz. $27 00
Hall.....⅌ doz. $48.00
Crown Jewel, japan finish, ⅌ doz $19.00
Crown Jewel, silver bronze trimmings, ⅌ doz.....$20.00
Crown Jewel, nickel trimmings ⅌ doz.....$21.00
Excelsior.....⅌ doz. $22.00
Garland.....⅌ doz. $18.00
Grand Rapids, Jap...⅌ doz. $24.00
Grand Rapids, Nick..⅌ doz. $27.00
Housewife's Delight..⅌ doz. $15.00
Improved Parlor Queen Japanned.....⅌ dos. $24.00
Improved Parlor Queen Nickeled.....⅌ doz. $27.00
Standard.....⅌ doz. $24.00

Bissell Carpet Sweeper Co. make the following rebates: $1.00 ⅌ doz. in 5 doz. lots, $2.00 ⅌ doz. in 10 doz. lots.

Casters—

Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&10%
Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50%
Yale Gem.....70&10%
Giant Truck Casters.....35%
Stationary Truck Casters.....50&10%
Socket Truck Casters..45&10@45&10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....60%

COW TIES—

American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

American Coil, in cask lots at fact.
3-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$6.75 8.00 4.00 3.75 3.50 3.40 3.20 3.15
Less than cask lots, add ¼c @ ¼c ⅌ lb.
Trace, Wagon and Fancy Chains, 60&10&10@70%
Covert Mfg. Co.....45%
German Coil.....70@70&10%
German Halter Chain....70@70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....40&25
Covert's Heel Chains.....45&5%
Covert Mfg. Co. Chains.....45%
Galvanized Pump Chain, with Buckets.....6¼@6¼&5
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

P. S. & W.....
New Haven.....
Witherby.....
} 80&5@80&10%
Mix.....
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$1.75@$5.00 to 2
Spear & Jackson's.....$5 to 2
Buck Bros.....80%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Draw ing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ⅌ lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each $6.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....50%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@50&10%
Carriage Makers', Sargent's..50&10@50&10&5%
Carriage Makers' P. S. & W. Co., 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .... 2"&10%

Cleavers—

Foster's.....30%
Jennings & Griffin 40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....3.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....3.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10&10@70@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....30%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....30%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....30%
Barton's.....30@30&5%
L. & I. J. White.....30@30&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's 33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson .....⅌ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N R. G Gloves...⅌ doz. $12.00
No. 125 Gloves.....⅌ doz. 4.50
No. 125 Gloves.....⅌ doz. 6.00
No. 150 Gloves.....⅌ doz. 9 00
No. 155 Gloves.....⅌ doz. 8.00
No. 146 Gloves.....⅌ doz. 9.00
No. 152 Gloves.....⅌ doz. 7.50
No. 142 Gloves.....⅌ doz. 7.00
No. 138 Gloves.....⅌ doz. 6.00
No. 052 Gloves.....⅌ doz. 8.00
No. 147 Gloves.....⅌ doz. 4.50
Wrist Supporters.....⅌ dos. .75
No. 160 Husking Pin..⅌ gro. 7.00
No. 165 Husking Pin..⅌ gro. 10 50
No. 170 Husking Pin..⅌ gro. 2.00
Hubbard's Solid Steel.⅌ gr 6.00 33⅓%
Perkins Boss:
Styles A and B, ⅌ dos. $2.00; E, $1.75.....6%
Wrist Supporters.....⅌ doz. 75c
Mittens.....⅌ doz. $1.50
Ashtabula.....⅌ gro. $3.50
Brinkerhoffs.....⅌ gro. $15.00
Buckeye.....⅌ gro. $4.00
Cleveland.....⅌ gro. $7.50
Johnson's.....⅌ gro. $6.50
Universal.....⅌ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....35@35&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....⅌ gro. $3.75
Emerald.....⅌ gro. 5.00
Oriole.....⅌ gro. 5.00
Rainbow.....⅌ gro. 2.51
Solid.....⅌ gro. 7.50

Curry Combs—

Spring, Jap'd ⅌ dos. $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber, ⅌ dos. $7.50.....20⅌10%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....⅌ doz. $1.75
F. E. Kohler & Co.'s Humane ⅌ doz. $1.60
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.35
5½ 6 7 inches
$1.38 $1.50 $2.00. dos.....40&10%
Nickeled Shank 4 4½
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.25. dos.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

SPARK COIL—

Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan. 1893.....33⅓%

Door Springs—

Torrey's Rod, 30 in, ⅌ dos $1.20@1.25
See Rod ⅌ gr., $30.00.....30%
Warner's.....55@55&5%
Gem (Coil), list April 19, 1893..25&10%
Star (Coil), list April 19, 1893..30&10 &10%
Foster's (Coil).....30%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ⅌ dos, $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ⅌ dos. $5.50, 66⅔@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....30%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 80@80&10%
Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15&10@35%
L. & I. J. White.....25&5@35%
Bradley's.....35%
Adjustable Handle.....35@35⅓%
Wilkinson's Folding.....35@35&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1.75
Breast, P. S. & W.....60&10%

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Breast, Wilson's.....20&5%
Breast, Millers Falls, each $3.00..25%
Breast, Bartholomew's No. 12, ₱ doz.....$16.00
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....20@30&5%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1.85
Stearns' Bench.....50@50&10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

National.....₱ gro $1.50
Paine, Diehl & Co.'s Keystone..33⅓%
Dover (Standard Co.).....₱ gro $9.50
Dover Extra Heavy (Standard Co.) ₱ doz $2.50

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF FF.
Kegs, ₱ lb.	4½c	5c	3c
½ kegs, ₱ lb.	4½c	5½c	3½c
¼ kegs, ₱ lb.	5c	5½c	3½c
10 lb cans, 10 in case....	6c	6½c	5½c
10 lb cans, less than 10..	10c	10c	8c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....70%

Enameline—

No. 4, ₱ gro.....$4.50
No. 6, ₱ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—

John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....30%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Bohren's Pat. Rubber Ball.....25%
Penn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₱ doz. $36.00.....33⅓%
Lane's ₱ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt ...	$3.00	$3.50	$4.00
Dairy Pails, 14 qt. $3.30.			4.00
Fire Pails, No. 2, 14 qt.	4.00		
Sugar Pails, with cover	4.50	5.00	
Horse Pails (short, wide and heavy).....	3.70		
Buggy Pails (short and light).....	2.75		
Prison Pails (with cover).....	6.50		
Slop Jars (bal. trap), No. 5 and 5x, 14 qt....	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt...	5.50	6.50	7.50
Commode Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)..	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls.....		3.50	4.00
Pitchers.....		5.00	5.50
Milk Pans (Old Gold, in No. 5).....		2.00	2.50
Fruit Bowls.....		1.90	2.10
Keelers, 11½ inch.....		2.80	3.30
Waste Paper Baskets, 13 inch high.....		4.00	4.50
Mats, 8½ inch (for table use).....	1.00	1.20	1.40
Mats, 15 inch (for cuspidores, etc.....	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)...	3.50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)...	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high.....		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed).....	3.50	4.00	4.50
Spittoons, 10 and 11½ inch.....	4.50	5.00	5.50
Peck Measures.....	3.00		
Half Peck Measures...	2.50		

Files—

DOMESTIC—

Best Brands.....60&10&10@70%
Good Brands.....70&5@75%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&5.0&10%

IMPORTED—

Stubs.....Stubs' list, 25&30%

Filters—

Seed's Water Filters:
A 1, $4.50 — No. 2, $3.00 — No. 3, $1.75 — No. 4, $1.00 ₱ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fluting Scissors—

List.....45%

Forks—

Hay, Manure, &c., Asso. List....75%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65%
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—

Standard List:

No.	0	1	2	3	4
₱ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₱ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....35&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....2%
Wire, Brown & Sharpe's.....10@20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₱ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₱ gro....$4.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₱ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid.....25@30%

Glue Pots—

Tinned.....5(@50&10%
Enameled.....10@50&10%
Family, Howe's "Eureka".....40%
Family, L. F. C.'s "Handy".....50%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P. S. & W. Co.....50&10&10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₱ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters.....33⅓%
Web and Rope Halters...33⅓&5%
Horse and Cattle Ties.....33⅓&5%
Upson & Wooding.....40%

Halter Leads—

Covert Mfg. Co.....45%

Hammers—

HANDLED HAMMERS—

Maydole's.....35&1 @25&10&10%
Buffalo Hammer Co....
Humason & Beckley...
Atha Tool Co.....
} 50&10@60%
C. Hammond & Son. List..40&10@50%
Verree.....60%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₱ dos.....
Nos. 1, $3; 2, $2.....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₱ doz. $6.25, 45%
Upholsterers Heavy, ₱ doz. $7.60 45%
Upholsterers Usual French, ₱ doz. $10.00.....45%
Upholsterers Solid Steel, French ₱ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₱ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₱ lb 40c
3 to 5 lb.....₱ lb 35c
Over 5 lb.....₱ lb 30c
} 75@75&5%
Wilkinson's Smiths...10c@10½c ₱ lb

Hammock Ropes—

Covert Mfg. Co.....45%

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.05	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@50&10&10%
Roggin's Latches ₱ doz.....22c@30c

STORE DOOR HANDLES.—

Japanned Nuts.....$1 62
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—

Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....60&3%
Brad Awl.....₱ gr. $2.00
Hickory Firmer Chisel, as ₱ gr 4.50
" Firmer Chisel, large ₱ gr 5.00
Apple Firmer Chisel, as.. ₱ gr 5.00
Apple Firmer Chisel, large ₱ gr 6.00
Socket Firmer Chisel, as. ₱ gr 8.00
} 50&10&10%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₱ gr 2.75
Auger, assorted ...₱ gr 5.00
Auger, large.....₱ gr 7.00
} 50%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₱ set $1.25
Pat. Auger, Swan's.....₱ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.60&10@60&10&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₱ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track..55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $22.00; No. 3 $25.00; No. 4, $35.00.. .....70%
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction.60&10@60&10&5%
Duplex (Wood Track).....60&10&5%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
Munger Hanger.....20&10%
Davis Parlor Door.....50&50&5%
Cronk's Steel cov'd Anti-Frict...60%
Cronk's Acme, Flat Steel ₱ doz. $7.00.....75%
Queen City Reversible...75&10&5%
Felix, ₱ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10@25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....50@50&5%
Rider & Wooster, No. 1, 63½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&50@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓&5%
Moore's Elevator.....33⅓&5%
Moore's Railroad.....33⅓&5%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning, from jobbers.$6.50@$7.50
Gem.....₱ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₱ doz $11.50@$13.00
Heath's.....₱ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₱ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T.....80@80&10%
Corrugated Strap and T..80@80&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. { 6 to 12 in., ₱ lb 3c; 14 to 20 in., ₱ lb 3½c; 23 to 36 in., ₱ lb 3c
Rolled Blind Hinges Nos. 23 and 24 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....(Ne 10&10%
Plate Hinges "Providence" 6 to 12 in. ₱ lb, 5c. 14 to 36 in. ₱ lb, 4c.

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....30%
Acme.....30%
American.....20%
Empire and Crown.....20%
Stover Ideal ₱ gro.....$13.00
New Idea, No. 1, ₱ gro.....$12.00
New Idea, No. 2, ₱ gro.....$24.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting.....25%
Union Mfg. Co.....25%
Bommer's.....25%
Buckman's.....25%
Chicago.....30%
Wiles' No. 1, ₱ gr., $16.00; No. 2, $13 00
Devore's No. 1.....₱ gr. $13 00
Rex.....₱ gr. $13.00
Royal Japanned.....60&5%
Royal Bronze.....45%
Reliable.....60%
Champion.....60%
Matchless No. 10.....70%
Victor.....₱ gr. $10.00
Torrey.....30%
Rubber.....66⅔%

GATE HINGES—

Western, ₱ doz $4.20, 60&10@60&10&5%
N. E...₱ doz $7.80, 60&10@60&10&5%
N. E. Reversible..₱ doz $5.00, 60&10@60&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..₱ doz $4.90, 60&10@60&10&5%
Automatic.....₱ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₱ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3, 80&10@60&10&5%
Sargents.....60%
Reed's Latch and Hinges...₱ doz $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—

Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&5%

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Nicholson.....45&10%
Huffer.....60&10@8 &10&10%
Clark's Nos. 1, 3, 5, 40 and 50.75&10 &5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 3, 5, 11, 12, 75@75 10%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&2½%

Hitching Cords—
Covert Mfg. Co.....45%

Hose—
HANDLED—
Garden, Mortar, &c..... 75 & 30%
Planter's Cotton, &c.....80&20%
Warren Hoe.....60&10%
Magic.....₩ doz $4.00
Dunlap's:
Boys'.....80&10%
Ladies'.....80&10%
Toy.....80&10%
EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.80&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat.....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Maslin Kettles.....75&10@80%
Boilers and Saucepans..6'@60&10%
Tinned Boilers and Saucepans. 6'@ 60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware....60&10%
Rustless Hollow-Ware....50@50&5%
Triumph Broilers.....50%
SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&15&5%
Rogers & Brother.....40&15%
Hartford Silver-Plate Co....40&5&5%
William Rogers Mfg. Co...40&15&5%

Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list.
} 60&10&10 @70% 5 &10%
Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....50&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60 &10&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₩ doz $1.35
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz.....60c
MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%
WIRE—
Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat, "Cree't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50@50&10%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....80&10@80&20%
Handy Coat and Hat.....60@60&10%
Steady Ceiling.....60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush.....55@40%
Whiffletree—Premium.....6'%
Hooks and Eyes—Mal. Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9½	9½	9½	9½	9½	net
Ausable	28c	26c	25c	24c	23c.	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&5%
Essex	28c	26c	25c	24c	23c.	40&10@30%
Lyra	9½c	9½c	9½c	9½c	9½c., net	
Snowden	9½c	9½c	9½c	9½c	9½c., net	
Vulcan	23c	21c	20c	19c	18c	35%
Northw't'n	25c	23c	22c	21c	20c.	25@25&5%
A. U.	25c	23c	22c	21c	21c.	40&10%
C. B. K.	25c	23c	22c	21c.	21c	40%
Maud S.	25c	23c	22c	21c.	21c	50&10&5%
Champlain.	26c	26c	25c	24c	23c	40&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	22c	21c	20c.	40&5&2%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	18c	50%
Empire Bronzed						10@10½c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co.....45%

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10.5%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Jack Screws—
See Screws.

Kettles—
Spun Plain Brass.....25&5%
Spun Brass, plated inside with White Metal.....20&5%
Stamped Brass Kettles, ₩ ℔ 19@20%

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@ 60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned....40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....25@ 0%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔&5%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....55@60%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....60&10@60&10&5%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Easy.....@60&10&60&10&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%
Philadelphia, Styles O. & M., D. G. U. & S. B., Self-adjusting C. & L., High Wheel.....70&10%
Philadelphia, Style A., all Steel, 60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....₩ doz. $10.00
Gibbs' Hustler.....₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00..40%
No. 4, $7.00 each.....33⅓%

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $8.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 20&10%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—
C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.35; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....30%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....45%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list August 15, 1895.....60&10 net
Mallory, Wheeler & Co., list July, '88.....60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94..60&10 @6.&10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓%
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Deits Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....50&10%
Shepardson or U. S.....35%
CABINET—
Cabinet Locks.....60&10@70%
Eagle Lock Co.....25&10%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 22 to 39.....40%
Dietz, Nos. 41 to 74.....45%
Dietz, Nos. 87 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40@40&10%
PADLOCKS—
Wrought Iron.....70&10@80%
Gem. Corbin Cabinet Lock Co.40&2%
Eagle.....40%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 3.....40&5%
Scandinavian.....90&40@90&40&10%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ₩ doz. $9.00...50@50&10%
Barnes Mfg. Co.....50@50&10%
Nock's.....30&10%
Brown's Pat.....20&10%
Scandinavian.....90&10%

Fraim's Keystone Scandinavian
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 100 line.....85%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 103, inclusive.....50%
Ames Sword Co. above No. 103, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—
Regular list.....70&10@75%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....33⅓%

Nos.		100	150
		$15.00	$18.00

Hales Pattern ₩ doz.....70@70&5%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.		1	2	3
Each		$2.00	$2.75	$4.00

Enterprise.....25&20%

Nos.	10	12	22	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&10%

Nos.		1	2	3
		$32.00	$30.00	$40.00

Home No. 1..₩ doz $26.00.....60%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

.....20&25%
Beef Shavers (Enterprise).....2@30%
Little Giant.....50&10%

Nos.	305	310	313	320	323
	$35.00	$18.00	$14.00	$72.00	$88.00

Chadborn's Smoked Beef Cutter, ₩ doz $56.00

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Wire Nails and Brads, Papered, Association list, May 1, 1892, 8 & 10@80&10&10%
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%
PICTURE—
Brass Head, Sargent's list, 70&10@ 70&10&5%
Brass Head, Combination list, 50& 10%
Porcelain Head, Sargent's list, 50& 10%
Porcelain Head, Comb'n list, 40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....$9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 20@10%
Giant, No. 2.....₩ doz $15.00, 20@10%
Pelican.....₩ doz $9.00, 25& 10%
Lightning.....₩ doz $18.00, 20%
Scranton No. 2.....₩ doz. $10 00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Caunon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....50%

Nuts—
Cold Punched, Square...4½c off list
Hex.....6c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 ℔, add 1-10c ₩ ℔ net; in packages less than 100 ℔, add ½c ₩ ℔, net.
Tapped.....50%

Oilers—
Zinc and Tin.....70&10@75%
Brass and Copper.....60&10@40%
Malleable, Hammers, Improved 10&5%
Malleable, Hammers, Old Pattern, same list.....50&10@60%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc,....70%
Prior's Pat. or "Paragon Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 85c

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Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ %

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¼ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x⅝ to 1⅛, ₩ ℔.....24
" 2x2x⅛, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¼ to 2x⅝ to 1, ₩ ℔.....2.80
No. 1, 5½ to 8x1¼ to 2x⅝ to 1, ₩ ℔.....3.50
No. 1, 8 to 12x1¼ to 2x⅝ to 1, ₩ ℔.....4.00
No. 2, 3 to 5½x1¼ to 2x⅝ to 1, ₩ ℔.....1.00
No. 2, 5½ to 8x1¼ to 2x⅝ to 1, ₩ ℔.....1.50
Discount 33⅓%
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x2 in.....₩ doz. $ 0.00
7x2 in.....₩ doz. 36.00
6x2 in.....₩ doz. 30 00
5x2 in.....₩ doz. 24.00
4½x 1⅛ in.....₩ doz. 14 00
3½x1 in.....₩ doz. 9 00
4x1 in., on Mahogany Handles.....₩ doz. 7.00
3½ in., in Vulcanized Rubber Case.....₩ doz. 12.00
Discount 33⅓ &10%
Pike's Arkansas Round Edge Slips:
No. 1 reg, 3 to 5x1¼ to 2x⅝ to ⅝ in. back x⅛ to ⅜ in. edge, ₩ ℔.....$4.00
No. 1 small, 3 to 5x1¼ to 1¼x¼ to ⅝ in. back x⅛ in. to sharp edge.....₩ ℔ 6.00
No. 2 assorted sizes.....₩ ℔ 2.50
Discount 33⅓%
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ ℔.....4.00
No. 2, assorted sizes, ₩ ℔..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¼ to 2x⅝ to 1 in.....₩ ℔, $1.50
No. 1, 5½ to 8x1¼ to 2x⅝ to 1 in.....₩ ℔, 1.70
No. 1, 8 to 12x1¼ to 2x⅝ to 1 in. ₩ ℔.....1.90
No. 2, 3 to 5½x1¼ to 2x⅝ to 1 in.....₩ ℔, .50
No. 2, 5½ to 8x1¼ to 2x⅝ to 1 in.....₩ ℔. .70
Discount 33⅓%.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1, reg., 3 to 5x1¼ to 2x⅝ to ⅝ in. back x⅛ to ⅜ in. edge, ₩ ℔.....$2.50
No. 1, small, 3 to 5x1¼ to 1¼x¼ to ⅝ in. back x⅛ in. to sharp edge.....₩ ℔, 4.00
No. 2, assorted sizes.....₩ ℔, 1.00
Discount 33⅓%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ in.....₩ ℔, $2.50
No. 2, assorted sizes.....₩ ℔ 1.00
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x3x⅝ to 1¼, ₩ ℔ .08
Washita Finish, about 8x3x⅝ to 1¼, ₩ ℔.....10
Round Edge Slips, about 6x1¼ to 2x¼ to ⅝ back x ⅛ to ¼ edge, ₩ ℔.....20
Plain Slips, about 6x1¼ to 2x⅝ to ⅝, ₩ ℔.....12
Plain Slips, about 6x1¼ to 2x⅝ to ⅝, ₩ gross.....8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .20

Pike's Axe stones:
Large Axe, about 4x2x⅝ to 1¼ ₩ ℔..... .08
Small Axe, about 3x2x⅛ to 1 ₩ ℔..... .10
Special Axe, 2½x1½x⅛ ₩ ℔... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 ℔, ₩ ℔..... .05
Medium, 8 x 1½ x 1⅛, weight about 1½ ℔, ₩ ℔..... .05
Large, 8x1¾x1¼, weight about 2 ℔, ₩ ℔..... .05
Small table, 10x2⅝x3¾, weight about 4 ℔.....₩ ℔..... .06
Large Table, 10x2¾x5 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₩ ℔ .50
Extra, " ₩ ℔..... .8
Round Edge Slips, No 1, ₩ ℔. 2.00
Discounts 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per ℔ 70c.....40%
Boston "Phoenix" Red Sheet, per ℔..... 50c. net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N. Y. B. & P. Co., 1846-Para....40&10%
N.Y.B. & P.Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....10@5%
Standard, Fair Quality.. 70&10@75%
Extra.....60&10@60&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₩ ℔ 30c 2@25&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ ℔
Russian Packing.....13c@14c ₩ ℔
Italian Packing.....12c@13c ₩ ℔
Cotton Packing.....14c@15c ₩ ℔
Jute.....6c@7c ₩ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ dz..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.50
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey's..5&10&10@50&10&10&10%
Miscellaneous.....25&10%
Steer's Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co's..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's.....6 @6&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
} 3⅓&10@30 &10&10%
L. & L. J. White.....20&5@35%
Stanley Rule & Level Co.....50&10%

C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronke, Stubb's Pat. Pliers.....50%
Cronk's Button Pattern .....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....2 &10%
Stanley's Handy.....2 &10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@75&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$6.75
Dixon's Plumbago.....₩ ℔ 8c

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $1.00; ₩ gr. $8.00
1½ qt. ₩ doz. $1.00; ₩ gr. $9.00
} 10@15%
2 qt., ₩ doz. $1 50; ₩ gr. $14 00
Quincy Corn Popper, 1 qt., ₩ doz. $1 00; 2 qt, $4 00.....33⅓%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale. 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. I, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔%@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔%@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 69, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70. Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73. Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 103, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.00
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 494, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 512, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320. Fig. 492, Bucket Spray Pump.....$5.50
No. 331, Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring.....50&5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe.....$6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.50
Planished Iron, to fit 7 in. Stove Pide.....$3.50
Planished Iron, to fit 8 in. Stove Pipe.....$.0.00

Rail—

Sliding Door, Wr't Brass, 1½ in. ₩ ℔, 35c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 3c
Barn Door, Light, In. ⅛ ⅜ ½
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....1½c
Victor Track Rail, 7c ₩ foot.....6c
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—

Cast Steel, Association goods.75&10%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.50
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1. net ₩ doz. $4.50
Gibbs' Hustler, No. 0 net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4
Per doz	$1.40	1.50	1.80	2.25

Boys' rakes.....₩ doz $3.50

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Ladies' rakes, ₩ doz., No. 1, $2.00; No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth. No $2.40; No. 2 $3.10
Lawn, 23 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co.....30%
Wostenholm and Butcher, $10.00 to $.....10%
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—

Francis Kell & Son.....50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95.....65%
Coopers.....65%
Block.....65%
Carriage.....65%
Hame.....65%
Burrs.....65%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—

Regular list.....70%

Rods—

Stair, Brass.....25@10%
Stair, Black Walnut.....₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10& 10@70%
Moore's Acme Barn Door.....50%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope

Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ ℔ 7 c
Manila.....⅜in ₩ ℔ 7¼c
Manila, ¼ and 5-16 in ₩ ℔ 7 c
Man. Hay Rope, Med. ₩ ℔ 8 c
sisal, 7-16 in. & larger ₩ ℔ 5 c
Sisal.....¼ in ₩ ℔ 5½c
Sisal...¼ and 5-16 in ₩ ℔ 6 c
Sisal, Hay Rope..... ₩ ℔ 5 c
Sisal, Med. L'the Y'rn ₩ ℔ 4½c
Cotton Rope, Best, ¼ in. and larger.....₩ ℔ 12@12½c
Medium, ¼ in. and larger, ₩ ℔..8c
Common, ¼ in. and larger, ₩ ℔..8c
Jute Rope.....₩ ℔ 5½@6c
(1% for cash in 10 days.)

Rules—

Boxwoo...30&10&10&10@30&10&10 &10&5%
Ivory.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....35&10%

Sad Irons—

From 4 to 10.....₩ ℔ 2@2½c
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....5½c
New England.....5c, 20&10%
Mahony's Troy Pol. Irons.....15%
Sensible Pol., ₩ doz $1.50.....20%
ickel.....₩ doz. $7.00
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs. Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No. 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown, Impooved Pol, ₩ doz. $6.50
Nickel.....₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper..50&10& 5@5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—

Common.....₩ ℔ 8½c@9c
Jute, good quality.....₩ ℔ 11c
White Cotton Braided, fair...₩ ℔ 23c@24c
Common Russia Sash, ₩ ℔ 12½c@ 3c
Patent Russia Sash...₩ ℔ 13½c@14c
Cable Laid Italian Sash ₩ ℔ 22½c@25c
India Hemp Sash.....₩ ℔ 10½c@ 1c

Silver Lake:
A Quality, White., ₩ ℔ 50c....10%
A Quality, Drab..₩ ℔ 55c....40%
B Quality, White ₩ ℔ 50c, 15&7½%
B Quality, Drab, ₩ ℔ 35c..15&7½%
C Quality, White (only) 26½c @ 28c
Sylvan Spring
Extra Braided White.....₩ ℔ 36c
Extra Braided Drab.....₩ ℔ 33c
Semper Idem, Braided White ₩ ℔ 24c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ ℔ 30c
"Samson" Braided Drab, Cotton.....₩ ℔ 35c
"Samson" Braided Italian Hemp.....₩ ℔ 33c
"Samson" Braided Linen, ₩ ℔ 30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....60&10@60&10&10
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86.....70%
Payson's Perfect.....70%
Hugunin's Sash Balances.....30&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@60&10&10%
Davis, Bronze, Barnes Mfg. Co...60%
Champion Safety.....70&5%
Security.....70%

Sash Weights—

Ton lots at factory.....$13.50@$16.00
Small lots at factory...$14.00@$16.50

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—

Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
Woodrough & McParlin Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.25@25&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill, 4 @ 45&5%
Richardson X Cuts.....45&10%
Richardson Hand-saws....25@2 .&5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—

Griffin's complete'.....40&10@50%
Griffin's Hack Saw and Blades, 40&10@50%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—

Star Hack.....25%
White Vermont..₩ gro. .$9.00@$9.50
Red, Polished and Varnished..₩ doz., $1.50 25%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 50@55&10%
Common Lever ₩ doz., $2.00, 45@50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $8.00; No. 1, $15.00.. 33⅓@35%
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $5.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50 2@25&10%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 8 kinds.....45%
Wheeler's Patent.....60%

Scales—

Union Platform Plain...$2.00@$2.10
Union Platform Striped..$2.15@$2.25
Chatillon's Grocers' Trip Scales..50%
Chatillon's Eureka.....35%
Chatillon's Favorite.....40%
Family, Turnbull's.....30@30&10%
Riehle Bros.' Platform...40@40&10%
Brittan Graham & Mathes.....50%

Scale Beams—

Scale Beams, List Jan. 12, '92..50& 10@50&10&10%
Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz.. $2.00
Box, 2 Handle....₩ doz., $3.00@$4.00
Defiance Box & Ship.....20&10%
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—

Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30&35%
Standard Oil.....35&40%

Screw Drivers—

C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5.@50&10
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C.T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles.65&10%
No. 66.....70&10%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20, 40 and 60 50&10@50&10&5%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral.....50%
Gay & Parsons.....35%
Champion.....40@40&10%
Clark's Pat.....33⅓@40%
Ellrich's Socket and Ratchet.40&10%
Howard-Allard....50&10@50&10&5%
Rapid Spiral.....33⅓%
Screw-Driver Bits...₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 2, $12.45%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....35&10%
P. S. & W.....70%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 27½&5%
"Handy" Ratchet.....35%
Champion.....33⅓%
Copeland.....35@25&10%
Brace.....25&10%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—

WOOD SCREWS—List, Oct. 9 '95.
Bright Flat Head Iron.....82½%
Br't R'd & Oval Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....82½%
Round Head Brass.....75%
Flat Head Bronze.....82½&10%
R'd and Ovel Head Bronze..80&10%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....60%
Round Head Copper.....60
Rogers Drive Screws.....87½%

MACHINE—

Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron.....70%
Bench, Wood, Beech.....₩ doz $2.25
Hand, Wood.....25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1890. 75&20%
Coach list Jan. 20, '95.....75&17½%
Bed.....50&20%
Hand Rail, Sargent's, 70&10@70&10&10%
Hand Rail, H. & B. Mfg. Co..75@75&5%
Hand Rail Am. Screw Co.....80%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W.....35%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns'.....40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—

C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' No. 1, $8; No. 6, $10; No. 7, $15.....35%
Barnes Scroll Saw Blades.....35%

Scythes—

Grain.....50@50&10%
Grass.....50&10@60%

Seeders—

Enterprise Raisin.....35%

Shears—

Ætna, Steel Japanned.....60&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s...60@60&10
American (Cast) Iron..75&10@50&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1882..50&10@60&5%
R. & E., list August 15, 1891.....60%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s.....60%
Sargent's list.....70%
Reading list.....65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Bess, from jobbers.....$3.15@$3.40
Bryden's Frog Pressure.....$4.00
Perkins Steel Side Weight Hind $3 15@$3 40
Perkins Improved Snow.....₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c.....30%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..30%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....30@30&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—

Iron Head.....60&10@60&10&5%
Brass Head.....60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $18@18.50

Slaw Cutters—

Enterprise.....25%

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Slicers—
Enterprise Vegetable. 25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guarded, 70&10&11@70&10&10&10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German, new list .....40&10%
Shaw Patent Slide Lock.....80%
Cockeye.....70&10%
Covert Mfg. Co.....45&2@50%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps.
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.) 50&10%
Seymour Smith & Sons, Iron.....30%
Millers Falls.....35%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Can. Stamp. Co's list. 75&10@80%
Solid Table and Tea, Can. Stamp. Co.'s list.....70&25%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co.. 40&15&5%
L. Boardman & Son.....80&12½%
MISCELLANEOUS—
German Silver.....50&10%
German Silver, Hall & Elton...50& 5% cash
German Silver, Rogers.....60&5%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&15&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60&10%
Boardman's Nickel Silver 60&7½&5%
Boardman's Britannia Spoons, case lots.....60&10% cash

Springs—
See Door Springs.

Squares—
Steel and Iron..... } .....75&10@80%
Nickel-Plated..... }
Try Square and T Bevels 60&10&10%
Disston Try Square and T Bevels, 50@50&10%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....30@35%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&35&10%
Extra Heavy.....80%
Hooks and Staples.....80&35&10%
Extra Heavy.....80%
Hasps and Staples.....80&35&10%
Extra Heavy.....80%
Staples on Plates.....80&35&10%
Wagon Bow Staples.....80&35&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—⅞ inch and larger ₩ ℔.....7c@7½c
Barbed Blind—¾ inch, ₩ ℔..8c@8½c
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....60&10%
Norway Iron Clinch.....60&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....3⅓%
Butterfield's Goods.....35%
Lightning Screw Plate.....25@30%
Reece's New Screw Plates.....25@30%
Reversible Ratchet.....35%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stove.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American.....66⅔%
Steel.....66⅔%
Swedes, S. S.....66⅔%
Swedes, Lanc.....62½%
Leathered.....33⅓%
American Cut Tacks 62½%
Swedes Iron Tacks:
S. S 62½%
Lanc.....57½%
Upholsterers' Tacks:
S. S 66⅔%
Lanc.....62½%
Gimp Tacks:
S. S 66⅔%
Lanc.....62½%
Lace Tacks:
S. S 62½%
Lanc.....57½%
Trimmers' Tacks:
S. S 55%
Lanc.....50%
Looking Glass Tacks 33⅓%
Picture Frame Points.....33⅓%
Basket Tacks.....62½%
Berry Box Tacks.....62½%
Trunk Tacks:
S. S 66⅔%
Lanc.....62½%
Miners' Tacks, S. S.....66⅔%
Bill Posters' and Railroad Tacks:
S. S 66⅔%
Lanc.....62½%
Brush Tacks and Nails:
S. S 55%
Lanc.....5 %
Hungarian Nails..... 57½%
Common and Patent Brads.....50%
Finishing Nails.....57½%
Trunk and Clout Nails.....57½%
Basket Nails .....1 %
Chair Nails.....45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894. Extra 33⅓&2% cash.
F. H. Cobblers Nails:
4-8in., and shorter, ₩ 100 ℔ $17.60
⅝ in. and longer, ₩ 100 ℔ $15.90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

No. 18 & 19.	17 & heavier.
2-8&2½-8 in. $64 90	$44.10
3-8&3½-8 in. 55.50	3 .00
4-8& longer, 44.50	36.10

MISCELLANEOUS—
Double Point.. ....85&10@85&10&5%
Wire Carpet Nails.....80&10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₩ box $1.50
Claw Handle Carpet.. ...₩ gr $1.00
Home Tacks, No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 50&2%.
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks. 66⅔&33⅓&2%
Miniature Keg Tacks..66⅔&33⅓&2%
Upholsterers' Nails .....50&10%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Tin, Perforated—
Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1.20
6	$6.95	$1.15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Trammel Points—
Cook's.....25%
Stanley's.....20&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Single rail Car, Single Steel T. $3.50
Rev. Car., Wood Track.....$3.35
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Single Rail Steel Track with clamps, ₩ ft..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz. $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 495, ₩ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 8, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.. .....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Floor Hooks, ¾ in. ₩ doz..... .65
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Wrought Rafter Brackets, ₩ doz..... .45
Malleable Rafter Brackets, ₩ doz..... .45
Rope Hitch, ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida Pattern.....75&5@75&10%
Newhouse.....40&10@50&5%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....50&10@60%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 30@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 10%
Mouse, Cage, Wire, ₩ doz $3.50, 10%
Mouse, Catch-'em-alive ₩ dz $3.50, 15%
Mouse, Bonanza....₩ doz 90c@$1.00
Mouse, Ideal..... .....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₩ doz. 65c.; in full cases..... 60c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross, $12.50
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat..... ₩ gross $15.00
Household.....₩ gr $10.00
Erie Rat.....50%
FLY—
Balloon, ₩ doz $1.50.....₩ gr. $12 50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper..... .....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..35@35&10%
Peace's Plastering.....20@25&5%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....25@33⅓%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
Solid Box.....50&10@60%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@40&10%
Parker's.....30@35%
Wilson'.....55%
Alligator 50%
Howard's.....40%
Massey's Quick Action .....20@25%
Bonney's.....50@50&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....70&10@70&10&10%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....35&10&5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....30&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations: Toy Whips, all kinds ₩ gross. $2.00@$7.50
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving. 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27. 0; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
Eureka, Two-thirds Whalebone, 4½ ft., $15.00; 6 ft., $ 6.50; 6½ ft., $18.00; 7 ft., $20.00.
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00; 5 ft., $8.50; 5½ ft., $9.50; 6 ft., $ 0.50; 6½ ft., $12.00; 7 ft., $13.50; 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $5.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors.....5 ft., $5.00
American, No Pen Whip, 5 ft., $5.00
Gents' Light Driving, No. 111, 6 ft.....$5.00
Gents' Light Driving, No. 106, 6 ft.....$5.00
Hand-Made Stocked Java, No. 108.....5½ ft., $3.75; 6 ft., $4.00
Team Whips....₩ doz $22.0 @$7.50

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@; 80%
Cop'd, Nos. 0 to 18, 7 & @7 &1 &5%
Galv., Nos. 0 to 18.....70&10@75%
Tin'd, Tinned list Nos. 0 to 18..75 &5@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ ℔..... 4½c
Galvanised Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass.....30@30&5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 20%
Steel Music Wire, Nos. 12 to 30, ₩ ℔.....6 @70c
Tate's Wire Picture Cord Braided and Twisted.....8@10&10%
Picture Wire.....New list 35&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft., $1.35@$1.40
Galvanised Wire Netting....50&10 @5 .&25%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List.
Iron.....20&2½%
Iron, Galvanised.....20&2½%
Cast-steel.....20&2½%

Wire Rope Clips—
Crosby.....35%

Wrenches—
Acme:
Bright .....60@60&5%
Nickel .....40& .@50%
Heavy.....50%
Alligator.....60&10%
Hercules 70%
American Adjustable.....4 @40&10%
Armstrong's.....40%
Baxter's Adjustable "S" 70@70&10%
Baxter's Diagonal.....50@60&10%
Coes' Genuine.....50& @50&10%
Coes' "Mechanics'".....60&10@60%
Girard Standard.....65&10@70%
Lamson & Sessions' Engineers' 50&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....60&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Sullison Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $2 5@2.60 60%
Boardman's 33⅓%
Always Ready.....33⅓&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.... .....40%

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Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓&5%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894, 2%
Lowell Mfg. Co., list July 2, 1894...2%
Peerless Mfg. Co., list Feb., 1892...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%
NOTE.—On lots of 1 dozen a discount of 10, is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in bbls. ₩ gal. 42c
Linseed, City, Boiled, " ₩ gal. 45c
Out of Town on Spot.....₩ gal. 40c
Calcutta, Raw, in bbls....₩ gal. 47c
Lard, Prime City.....₩ gal. 50@51
Western, Prime.....50@51
Extra, No. 1.....40@41
No. 1.....37@39
No. 2.....3 @35

Paints and Colors—

Barytes, Prime White, ₩ ton, $14.00@$17.00
Barytes, Foreign Floated, ₩ ton, $15.00@$18.00
Barytes, Domestic Floated, ₩ ton $23.00@$25.00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ ℔ 4½@5¼c
White Lead, American, in Oil, ₩ ℔.....5½@6¼c
White Lead, English, in Oil, ₩ ℔ 5½@6¼c
Litharge, American Powdered, ₩ ℔.....4¼@5¼c
Litharge, English Flake, ₩ ℔ 7¼@8 c
Litharge, Glassmakers', ₩ ℔ 4¼@5½c
Zinc, American, Extra Dry, ₩ ℔ 3½@4½c

Putty—

Putty in Bulk.....$1.45@$1.75
Putty in Bladders.....$1.65@$2.00
Putty in Tins.....$2.00@$2.50

Spirits Turpentine—

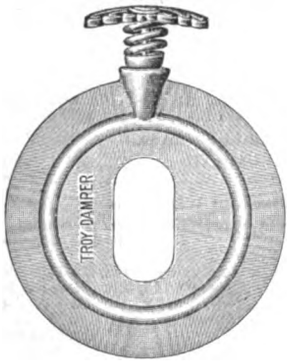
Spirits Turpentine, ₩ gal..28@28½c

Dry Colors—

Blue, Chinese	₩ ℔	35 @40	c
Blue, Prussian	₩ ℔	30 @35	c
Blue, Ultramarine	₩ ℔	7 @25	c
Brown, Sienna, American, burnt	₩ ℔	1¼@ 1½	c
Brown, Sienna, American, raw	₩ ℔	1¼@ 1½	c
Brown, Umber, American, burnt	₩ ℔	1¼@ 1½	c
Brown, Umber, American, raw	₩ ℔	1¼@ 1½	c
Brown, Vandyke, German	₩ ℔	3½@ 5½	c
Brown, Vandyke, American	₩ ℔	1½@ 2½	c
Green, Chrome, Common	₩ ℔	5 @ 6	c
Green, Paris	₩ ℔	20 @30	c
Indian Red, Staadard, American	₩ ℔	2 @ 3	c
Venetian Red, English Prime	₩ ℔	$1.75@$1.90	
Yellow, Chrome	₩ ℔	16 @25	c
Yellow, Ocher, Fre'ch	₩ ℔	1 @ 1¾	c

Colors in Oil—

Black Coach Japan	₩ ℔	18½@20	c
Black Coach Japan, in Oil	₩ ℔	12 @13	c
Black Drop	₩ ℔	7½@10	c
Black Lampblack, prime	₩ ℔	27 @33	c
Black Lampblack, medium	₩ ℔	15 @20	c
Black Lampblack, 2d quality	₩ ℔	13 @19	
Black, Lampblack, low grade	₩ ℔	6½@10	6
Blue, Chinese	₩ ℔	35 @40	c
Blue, Prussian	₩ ℔	20 @40	c
Blue, Ultramarine	₩ ℔	12 @1	c
Brown, Sienna bur't	₩ ℔	7 @10	c
Brown, Sienna, raw	₩ ℔	7 @10	c
Brown, Umber, bur't	₩ ℔	7 @10	c
Brown, Umber raw	₩ ℔	7 @10	c
Brown, Vandyke	₩ ℔	7 @11	c
Green, Chrome	₩ ℔	8 @14	c
Green, Paris	₩ ℔	16 @21½	c
Red, Indian	₩ ℔	12 @15	c
Red, Venetian	₩ ℔	4½@ 8	c
Yellow, Chrome	₩ ℔	13 @18	c
Yellow, Ocher, Fre'ch	₩ ℔	4½	c



Don't Your Jobber Keep This Damper?

"WELL"

If he don't, send to us and we will give you the name of one who do and will be glad to do Business with

YOU

We don't want any one to get left on a Good Thing.

TROY NICKEL WORKS,

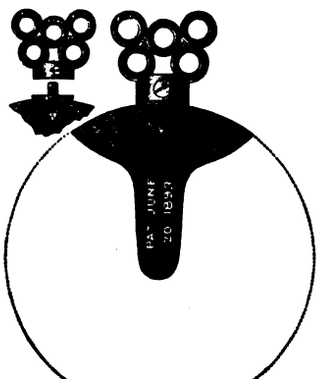
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STOVE HARDWARE



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Simplest, Best, Cheapest.

Cannot be put together wrong.

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Best, Largest, Cheapest.

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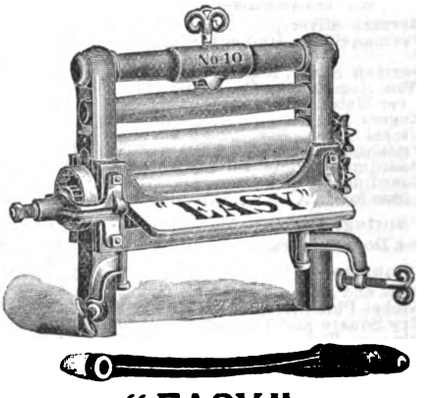
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MANUFACTURED MICA GOODS OF ALL KINDS.

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BLAIR MFG. CO.,

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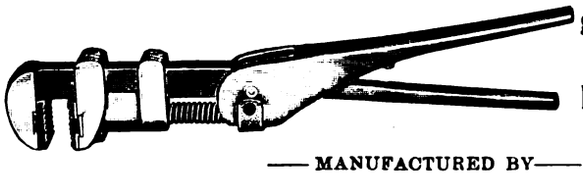
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Write for prices.

This Wrench

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general favorite among Steam-Fitters, Jobbers and Plumbers.

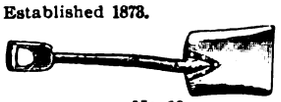
—MANUFACTURED BY—

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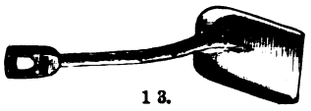
28 Bellevue St., Worcester, Mass.



Established 1873.



No. 10.



13.

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MANUFACTURERS OF

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In all styles, Smooth Back, Hollow Back and Strap.

Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.

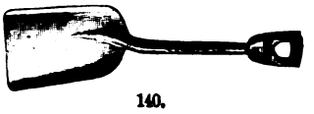
Office, WYOMING, PA. Works.

Catalogues furnished on application.

Incorporated June 29, 1893.



94.



140.

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FOR THE SEASON OF 1896.



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Absolutely Safe

Vapor Stove EVER MADE. POWERFUL and ECONOMICAL, using less gasoline than any other Vapor Stove doing the same amount of work. The price is SO LOW that it comes within the REACH of ALL who appreciate the value of a . . . .

Convenient, Labor-Saving Cook Stove.

To All Such We

recommend the GEM, and it would be greatly to the interest of all who intend to handle VAPOR STOVES the coming season to secure, if possible, our line of GEMS for their trade, as we have but one agent in a town.



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We Make Nineteen

different sizes and styles of the GEM Stoves, including the low JUNIORS, MEDIUMS, FULL SIZE, and a COMPLETE LINE of CABINET RANGES, as well as our celebrated

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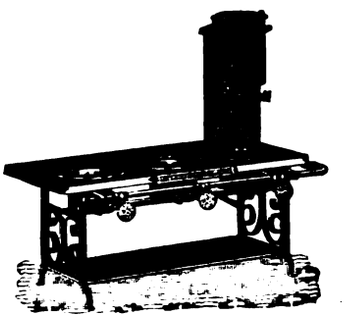
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On account of the MERITS and GREAT POPULARITY of the GEM STOVES, other manufacturers may seek to IMITATE. REMEMBER that EXPERIMENTS are EXPENSIVE, and there is but ONE GEM, and that can only be made by us, and is covered by Strong, Fundamental Patents, and any attempt to infringe will be Vigorously Prosecuted.



We also continue to make a full line of PROCESS as well as GENERATING STOVES of all styles, together with a Complete Line of GAS RADIATORS, HEATERS, RANGES, etc. . , .

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BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

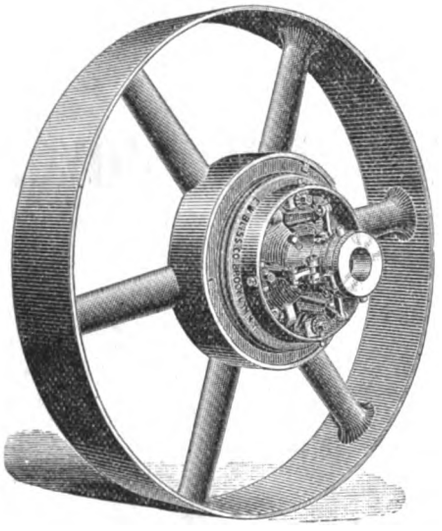
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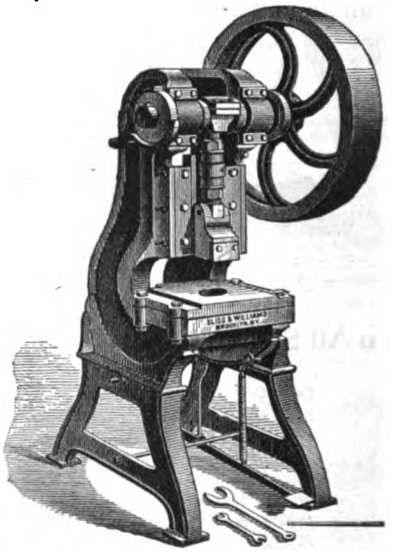
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THE **New Perfection Cutter**

WON'T CHOP WOOD,

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N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Husking Goods.
Blair Husking Glove Co., Bucyrus, Ohio.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Diamond Cutlery Co., New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Geo. T. Moe & Co., Philadelphia.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.

Lemon Squeezers.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Scranton & Co., New Haven, Conn.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mica Goods.
Geo. T. Moe & Co., Philadelphia.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

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Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Planes.
Samuel I. Goodall Co., Philadelphia.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Leavett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

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Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Bellevue Pump Co., Bellevue, Ia.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Radiators.
Wilmot Castle & Co., Rochester, N. Y.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

Rakes.
Ashtabula Tool Co., Ashtabula, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
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Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Repair Outfits.
Root Bros. Co., Plymouth, O.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Blake & Johnson, Waterbury, Conn.
Bruce & Cook, New York.
Clark & Cowles Plainville, Conn.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia.

Sample Holders.
Massey & Thompson, Monroe City, Mo.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Balances.
Gardner Sash Balance Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.
Bruce R. Ware & Co., Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
Millers Falls Co., New York.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Gilfillan Scale Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Klages & Co., New York.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.
Wyoming Shovel Works, Wyoming, Pa.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
A. G. Spalding & Bro., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleigh Bells.
Chapman Mfg. Co., Meriden, Ct.

Snow Guards.
Folsom Snow Guard Co., Boston.

Snow Shovels.
A. J. Phillips Co., Fenton Mich.

Solder.
Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
J. Bardsley, New York.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.
Oster Mfg. Co., Cleveland, O.

Stoneware.
F. H. Weeks, Akron, O.

Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.

Stove Pipe.
Geauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
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Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Cleveland Block Co., Cleveland, O.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack and Nail Machines.
Kimball Bros. & Co., Boston.

Tapes.
Boston Tape Mfg. Co., Boston.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O.
E. C. Atkins & Co., Indianapolis, Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Philadelphia.
Samuel I. Goodall Co., Philadelphia.
Th. M. Hass, New York.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.
Ward & Gilmore, Le Roy, N. Y.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Twines.
Bruce R. Ware & Co., Boston.

Vapor Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.

Varnish.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N.Y
Charles Morrill, New York.

Washers.
Klages & Co., New York.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches.
Robert H. Ingersoll & Bro., New York.

Wheelbarrows.
Bryan Mfg. Co., Bryan, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Toledo Wheelbarrow Works, Toledo, O.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Window Screens.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.

Window Springs.
E. A. Worthen, Burlington, Vt.

Wire, Manufacturers.
American Wire Co., Cleveland, O.
Bruce & Cook, New York.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
M. D. Jones & Co., Boston.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Lathing
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Atlas Tack Corporation, Boston
Bruce & Cook, New York.

Wire Work.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
M. D. Jones & Co., Boston.

Wrenches, Manufacturers.
Coes Wrench Co., Worcester, Mass.
Gwinner Mfg. Co., Hamilton, O.
Samuel Hall's Son, New York.
Tower & Lyon, New York.
Wright Wrench Co., Worcester, Mass.

Wringers.
National Wringer Co., Canton, O.

Wrought Butts.
Reading Hardware Co., Reading Pa.

Zinc.
Bruce & Cook, New York.

Zinc, Perforated.
Harrington & King Perforating Co., Chicago.

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1887 — Half a Century. — 1895

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Smith & Egge Mfg. Co..... ...18
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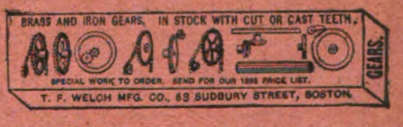
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Genuine Ausable Nails are packed in boxes bearing their FULL NAME and Trade Mark.

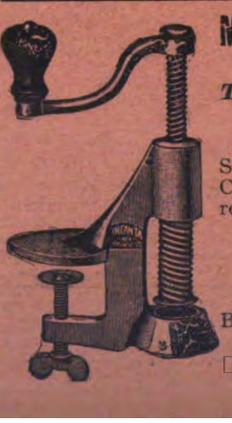
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VOL. XII. No 4. New York, November 25, 1895. $1.00 A YEAR



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A soft Black Edge Wad, without grease, covered with Salmon Colored Paper on Both Sides, especially for Nitro Powders.

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Our "GLADIATOR" Seamless Quilt-stitched Belt, is double stitched, the lines of stitching beingput in obliquely and crossing each other; in other words, "it is quilted."

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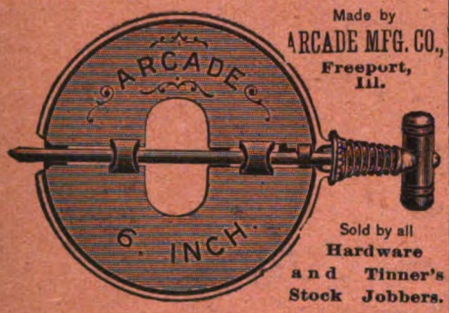
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Wire Straightened and Cut to length.



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Together with other Hardware Specialties.

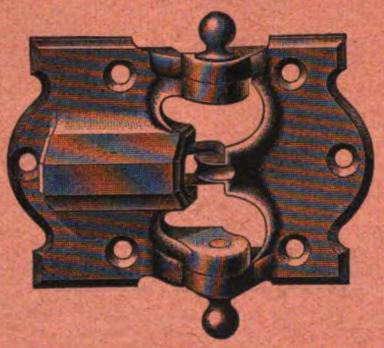
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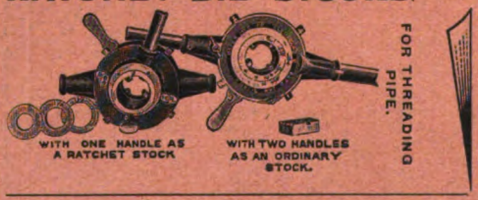
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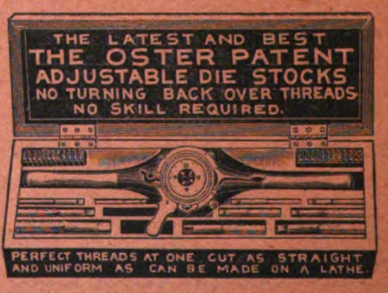
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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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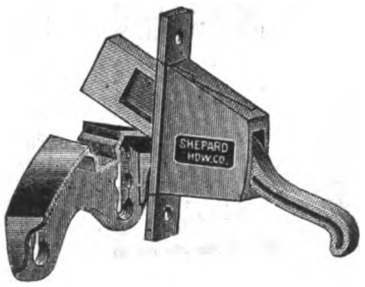
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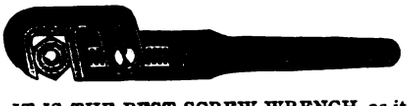


grindstone or emery wheel WITHOUT TAKING IT APART.

THIS WRENCH if kept sharp will grip high on the pipe, and you can screw a pipe so tight that it will open a malleable fitting, and strip the thread, WITHOUT CRUSHING OR CUTTING THE PIPE.

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It will COST LESS FOR REPAIRS than any other Pipe Wrench.



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HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

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IT TAKES A PULL

to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, **15 Park Row, New York.**



For Butler's Pantry

and all other Swing Doors, the best device is

BARDSLEY'S CHECKING SPRING HINGE.

It goes in the sill under the door and works in oil. Send for catalogue showing this and the best line of

WOOD DOOR KNOBS, DOOR STOPS, &c.

J. BARDSLEY, 149 Baxter St., New York.

"THE BALL DOES IT ALL!"



No. 6. ¾ inch. Ball Nozzle Lawn Sprinkler.

No Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . . .

A PORTABLE and BEAUTIFUL FOUNTAIN.

THE GREAT BALL NOZZLE.



No. 5. ¾ inch Ball Nozzle. For Fountains and Trees

WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



No. 4. ¾ inch. Combination Ball Nozzle.

NATURE SERVES MAN IN A MYSTERIOUS WAY! WHY DOES THE BALL REMAIN AGAINST PRESSURE?

Send for Catalogue.



No. 3. ¾ inch Combination Ball Nozzle.

BALL NOZZLE MANUFACTURED SOLELY BY

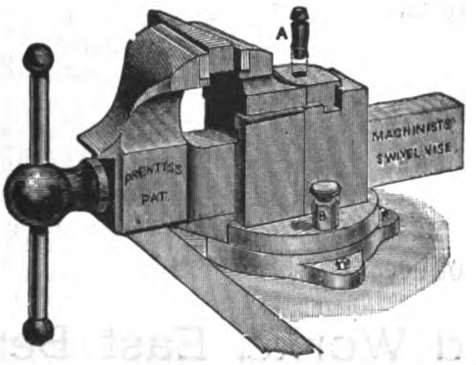
AMERICAN BALL NOZZLE COMPANY,

837-847 BROADWAY, NEW YORK.

Branch House:—325 SUTTER ST., SAN FRANCISCO, CAL.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of

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MANUFACTURERS,

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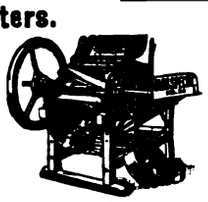
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Ohio Line Feed Cutters.



Horse Powers Engines, Feed Mills and Steam Cookers.

Hand Cutters.



Power Cutters.



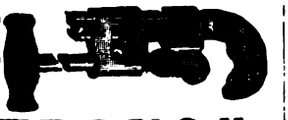
Ensilage Cutters and Carriers.

WRITE FOR PRICES.

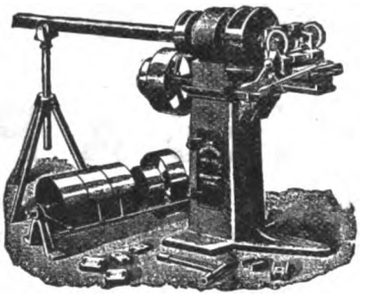
The Silver Mfg. Co.,
SALEM, OHIO.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

YOUR STOCK IS NOT COMPLETE
Without a Line of



"ARMSTRONG"



No. 2½ MACHINE.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.
—NEW YORK OFFICE: 139 CENTRE STREET—

SOLDERING COPPERS
CLENDENIN BROS., BALTIMORE, MD.



POSITIVE SECURITY
against sneak thievery by the use of
Shepardson's Key-Hole and Baggage Guard.
Sample by mail 75 cents. Illustrated circular and price list sent on application.
KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.



The above illustration, taken direct from a photograph, shows a Plate Girder bridge, designed and built by us at Binghamton, N. Y., consisting of one span of 29 feet, with a roadway 32 feet wide in the clear, and two sidewalks each 9 feet wide in the clear.

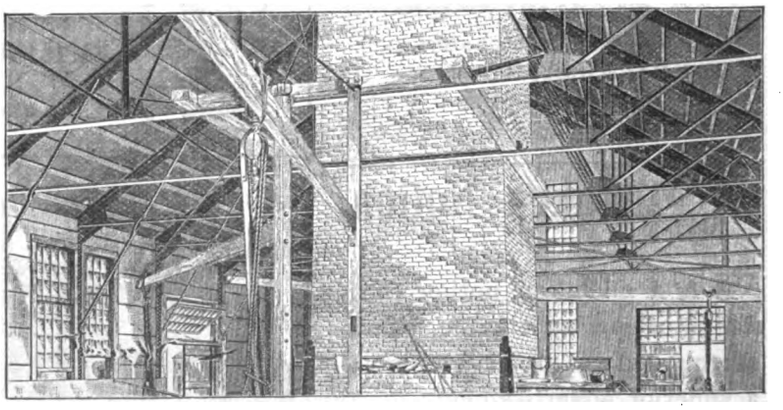
THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders of

Iron and Steel Buildings, Roofs,

Bridges, etc., etc.

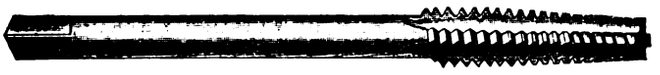
Send for Illustrated Catalogue.



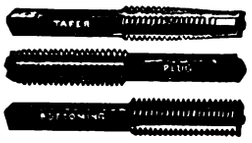
The above illustration is taken direct from a photograph, and shows the construction of an iron roof, designed and built by us, to cover the Boiler House of the Russia Cement Co., at Gloucester, Mass. The side walls are of brick, and the roof is built entirely of iron, so that the danger from fire is entirely eliminated.

Office and Works, East Berlin, Conn.

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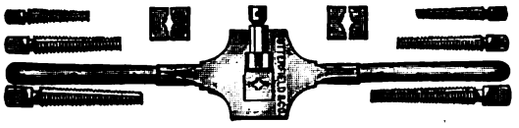
Butterfield & Co.,



Taps & Dies.



Derby Line, Vermont.





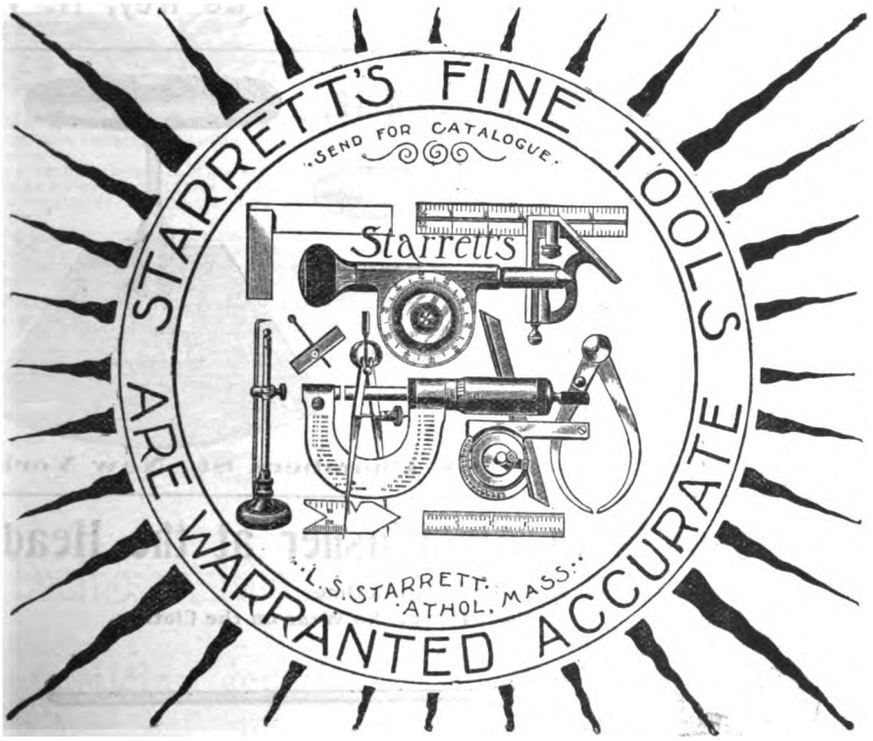
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MANUFACTURERS OF

SPRINGS AND RIVETS

PLAINVILLE

CONN.



WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. SHALL WE SEND YOU ONE?

WE FURNISH COMPLETE OUTFITS,

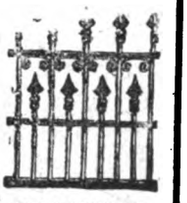
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CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

WIRE & IRON WORK.

FENCING, CRESTING
STABLE FIXTURES,
WINDOW GUARDS,
WIRE SIGNS,
WEATHER
VANES
JAIL CELLS.



DO YOU CARRY A STOCK OF IRON FENCING

FLOWER POT STANDS?

SEND FOR CATALOGUE.



CRESTING.

E. T. BARNUM

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FLOWER POT STAND



We have no risk on the quality. We make only the best



Sand Papers IN Sheets and Roll

- Flint Paper
- Garnet Paper
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- Emery Cloth

A.A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co

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97 BEEKMAN STREET, NEW YORK.
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101 LAKE STREET, CHICAGO.

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There are Two Classes of Rubber Belting, Packing and Hose:

MALTESE CROSS BRAND

AND OTHERS.

We are the Sole Makers of the MALTESE CROSS GOODS, but we make others too, and all at prices that you will find attractive.

THE GUTTA PERCHA AND RUBBER MFG. CO.,

ESTABLISHED 1855,

Mechanical Rubber Goods of Every Kind,

35 WARREN STREET, - - NEW YORK.

BRANCHES: CHICAGO. BOSTON. SAN FRANCISCO. PORTLAND, ORE.

FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,
Cleveland, O.

Braided Cord
Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

TIME

WILL

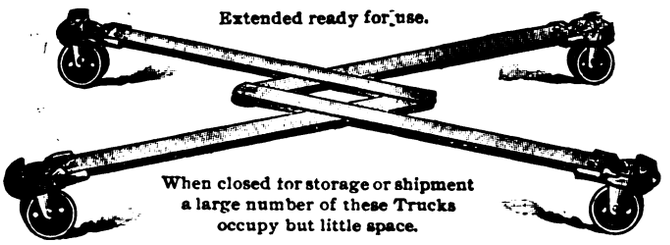
TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt

Steel Lock Frame Stove Trucks.



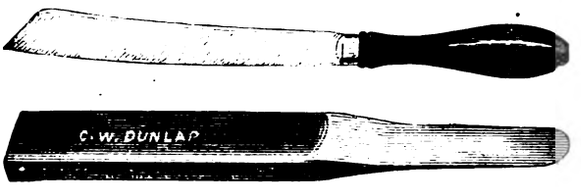
Price, $15.00 per dozen.

Fit any size stove. No nuts, bolts or thumb screws. No bars to cut off.

Send for Circular.

WARD & GILMORE, Manufacturers. Le Roy, N. Y.

Dunlap's Superior Kitchen Hardware.



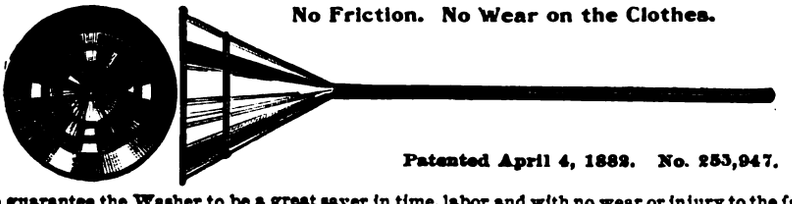


Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St., New York.

The Compressed Air Washer at the Head.

It is Light and Portable. Lasts a Lifetime.
No Friction. No Wear on the Clothes.



Patented April 4, 1882. No. 253,947.

We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric. The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.

Retail Price, $3.50. Send for Circulars and Prices

Manufactured only by E. M. HEATHMAN & CO., HAMILTON, O. U. S. A.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of WIRE in great variety.

NEW HAVEN, CONN.

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CLIMAX WATCH



FOR

$2.00

American
Lantern
Pinion
Stem Wind
¼ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

THE BERRY CLOTHES SPRINKLER
Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McPartlin

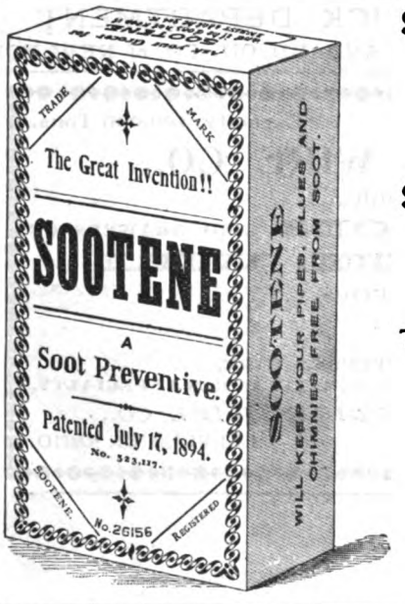
THE NATIONAL SAW CO.

GENERAL OFFICE.... **NEWARK, N. J.**

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists



SOOTENE

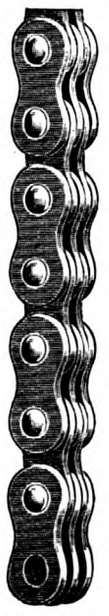
Will keep your Chimney Pipes and Flues free from Soot and create a perfect draught, thereby making it a household necessity.

SOOTENE

Is an article worth the Dealer's attention and will pay them well to keep in stock. Address

THE SOOTENE CO.,
80 Broad St, N. Y. City.

GENERAL SALES AGENTS FOR
UNITED STATES
AND EXPORT.
Patentee and Manufacturer,
R. GIVENS,
Corpus Christi, Tex.


No 110.

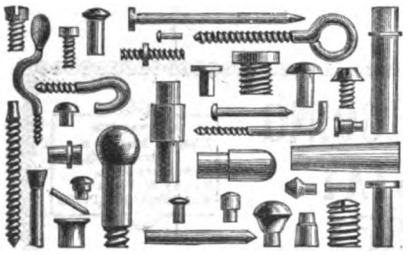
THE SMITH & EGGE MFG. CO.,
BRIDGEPORT, CONN.
Manufacturers of

SASH CHAINS. CABLE

SASH PULLEYS, PADLOCKS,
EUREKA SHEARS,
DRILL CHUCKS, CYCLE LOCKS,
TOE CLIPS,
AND ALL KINDS OF
Sheet Metal Novelties.


No 10.

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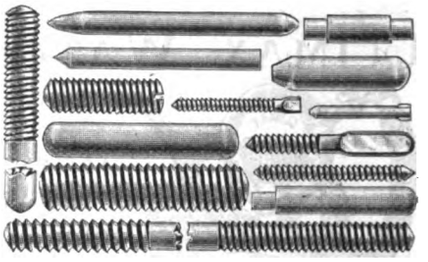
Iron & Brass Rivets

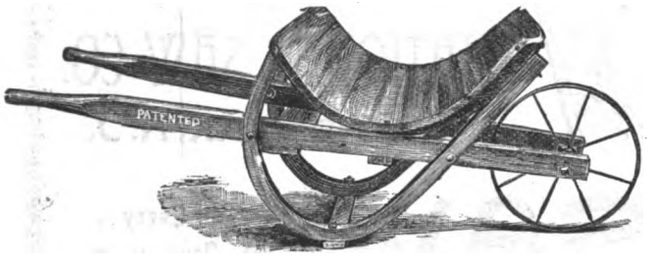
STUDS, PINS, SCREWS, &c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,

WATERBURY, CONN.





Wheelbarrows

of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

Made by the

WICK DEPARTMENT

Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS**, AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

DIXON'S Carpenters' Pencils

DIXON'S Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our 1895 Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.



CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

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Do You Desire

an article that every family would buy if they simply had their attention called to its merits? If you do, put in a stock of P & A's Banner Oil Stoves. See Cut.



Banner Oil Heater

SIMPLE, NOVEL and PRACTICAL.

Requires less care than the ordinary Lamp.

Will burn 10 to 15 hours and heat comfortably a room 15 to 20 feet square.

NO SMOKE! NO ODOR!
PERFECT COMBUSTION.

POINTS:

The Oil Fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking.

No Chimney. The drum of the **BANNER** in its construction acts as a chimney, saving the expense incident to the renewal of glass chimneys of other makes.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and ONLY ONE with feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness.

Lighting. It is not necessary to remove any part of the stove to light it. The sliding door in the drum is made for this purpose.

Draft. The round openings in the drum create great suction of cold air in addition to the regular draft. Double the radiating force of the ordinary stove is thus secured.

Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

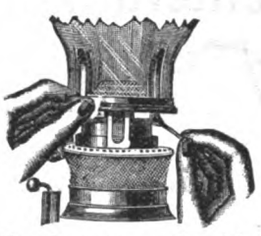
No. 971, Heater Complete. Height, 27 inches.

*** SOLE MAKERS, ***

THE PLUME & ATWOOD MFG. CO.,

29 MURRAY ST., NEW YORK, U. S. A. 199 LAKE ST. CHICAGO.

The



B & H LAMPS.

—Easy to Light—
—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*
Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

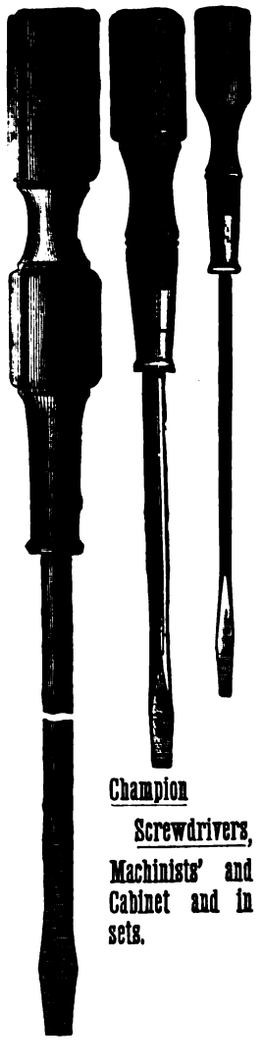
NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

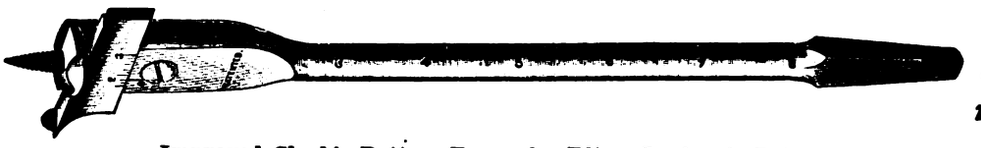


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Carpenters and Machinists' Tools.

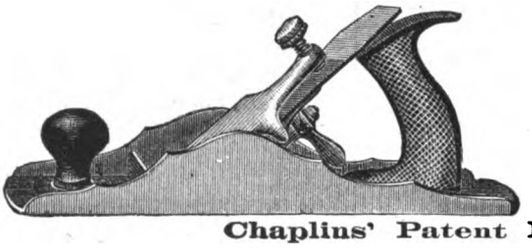


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





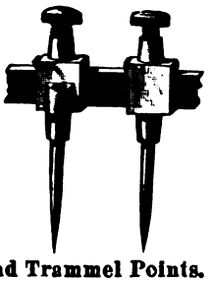
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



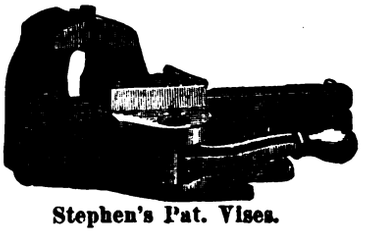


Plumb Bobs and Trammel Points.

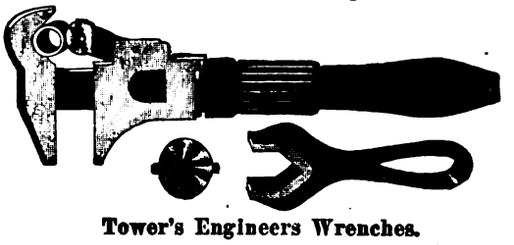




Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,

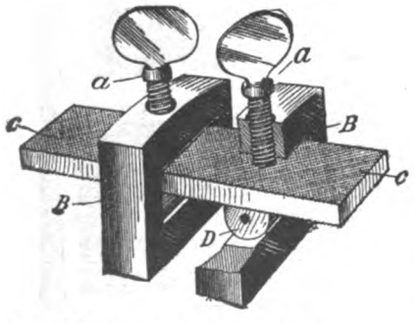
CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener



A New and Useful Article Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

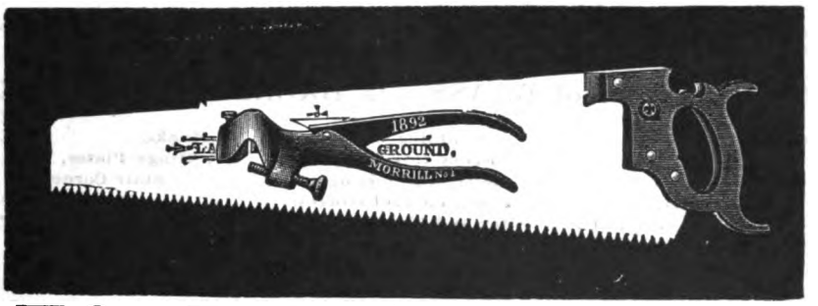
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
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CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.



OUR STAR HACK SAWS

Are used in nearly all of the Iron Working Shops in this country and Europe. Now we wish to introduce them to the Farmers and Householders generally. They will cut Iron, Steel, and Wood equally well. One blade which costs five cents, will cut off an inch-square bar of iron 100 times without filing. They will do most of the work of a file at one-tenth of the cost All of our best blades are rounded at the ends and stamped with a star.

As a sample, we will send one Steel Frame and Six Blades by mail, prepaid, on receipt of $1.00. Or, they can be had of all the best Hardware Dealers, who usually keep a good line of our high-class tools.

MILLERS FALLS CO., - 93 READE ST., NEW YORK.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.

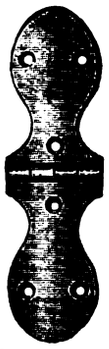
WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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SOLE AGENTS FOR U. S. AND CANADA FOR THE



Buchanan Brass Hardware Co., Limited,

Manufacturers of BRASS and BRONZE HARDWARE.

Door Pulls,
Shutter Bars,
Drawer Pulls,
Corner Plates,
Hook Sash Lifts,
Mirror Plates,
Flush Sash Lifts,
Plate Escutcheons,
Cabinet Escutcheons,
Fire Screen Hinges.

Moulding Hooks,
Fancy Box Hinges,
Refrigerator Hinges,
Fancy Cabinet Hinges,
Box and Chest Corners,
Brass and Zinc Washers,
Floor and Ceiling Plates,
Water Closet Seat Hinges.

SEND FOR CATALOGUE.

S Hooks,
Hinge Plates,
Stair Corners,
Stair Buttons,
Loose Pin Butts,
Strap Hinges,
Door Numbers,
Shelf Brackets,
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Mending Straps.



Every Machine Guaranteed to Give Satisfaction.



The BOSS and ELI...
WASHERS.

BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., Cincinnati, O.



The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

E. J. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity

Your Christmas Stock

Is Not Complete Without the



Cream City Flour Bin and Sifter.

Made of Heavy TIN.
Handsomely Ornamented.
All Salient Features Patented.

The best combined receptacle, sifter, mixer, aerator and preserver of Flour in the world.

Keeps Flour sweet and clean, sifts it out as wanted and never wastes a speck.

The only Bin made with detachable shield over the sifter. It keeps the pressure off the reels, ensures ease of operation and prevents grinding through of impurities. Three sizes, 25, 50, 100 pounds. Made only by the

Geuder & Paeschke Mfg. Co.,

Manufacturers of TINWARE, MILWAUKEE, WIS.

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LARGEST FILE AND RASP PRODUCERS IN THE WORLD.

NICHOLSON . .
GREAT WESTERN
X. F. (EXTRA FINE)
AMERICAN . . .

The Standard Brands.

FACTORIES AT
Providence, R. I.
Beaver Falls, Pa.
Pawtucket, R. I.

MAIN OFFICE AND ADDRESS:

NICHOLSON FILE COMPANY

PROVIDENCE, R. I., U. S. A.

OPERATING FOUR DISTINCT PLANTS.

Capacity, Equipment and Quality of Product Unequalled.

CABLE ADDRESS:
"NICHOLSON,"
PROVIDENCE, R. I. U. S. A.

OHIO "WATER TIGHT"

STEEL MORTAR and BRICK HODS

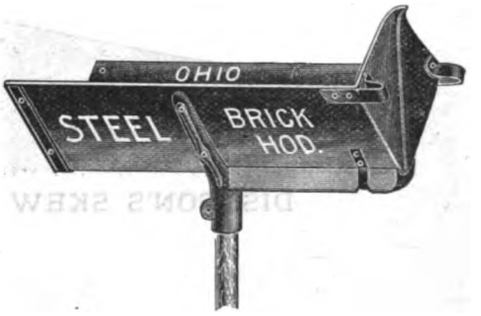


OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

Ohio "Water Tight' Steel Hod bodies are positively Water Tight. These bodies are the only ones made, folded from a single piece of sheet steel without cutting the metal, are reinforced on the edges and at the dumping point By our special devised machinery we are enabled to furnish the strongest, lightest, most durable and only double end mortar and brick hods offered to the trade.

Our improved Malleable Iron Fork and Wooden Shoulder Saddle make it easier for the user to carry, or to attach a piece of cloth, should he so desire, to the under side of the saddle than the old style.

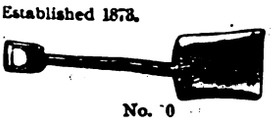
With our improved one piece Malleable Iron Fork and socket for holding the hardwood handle and taking up the shrinkage, a broken handle can be readily replaced, and hods shipped knocked down.

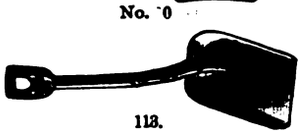


The Geauga Foundry and Mfg. Co.,

PAINESVILLE, OHIO.

Established 1873.


No. 0


113.

THE WYOMING SHOVEL WORKS,

MANUFACTURERS OF

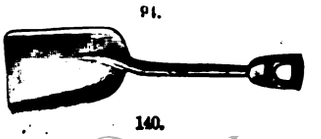
Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.
Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.

Office, WYOMING, PA. Works,
Catalogues furnished on application.

Incorporated June 29, 1893.


91.


140.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

Samuel W. Allerton, Prest.
C. C. Clarke, Sec'y & Treas.
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THE ARCADE FILE WORKS.



Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 83 Reade Street, NEW YORK.

BOSTON BELTING CO.



ESTABLISHED 1828.

James Bennett Forsyth
M'f'g Ag't & Gen. Man.

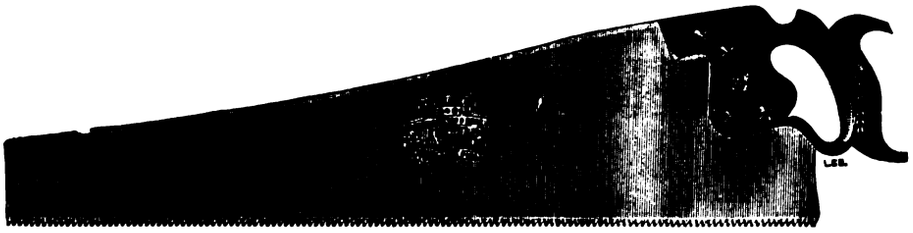
MANUFACTURERS OF **RUBBER BELTING, HOSE, PACKING, TUBING, VALVES, MATS, MATTING, SPRINGS, WASHERS, &c.**

GARDEN & LAWN HOSE.

256, 258, 260 Devonshire St., Boston. 100 Chambers St., New York.

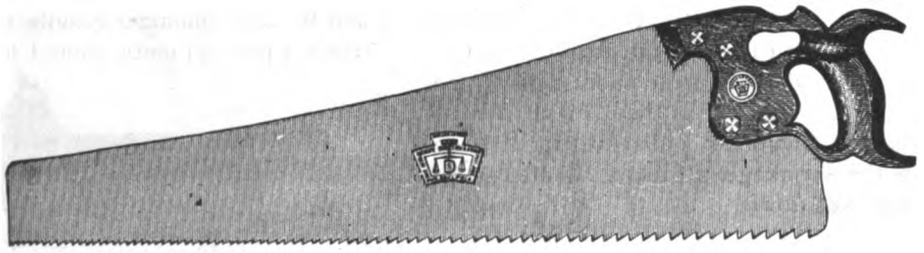
SALESROOMS:

26 Light St., Baltimore, Md.
51 Decatur St., Atlanta, Ga.
10-16 N. Commerce & Front Sts., Mobile, Ala.
316, 318 St. Charles St., New Orleans, La.
9th St. and Washington Ave., St. Louis, Mo.
201-205 W. Pearl St., Cincinnati, Ohio.
150 Water St., Cleveland, Ohio.
410-414 W. Fifth St., Kansas City, Mo.
8 and 10 E Michigan St., Duluth, Minn.
380 E. Water St., Milwaukee, Wis.
248-252 E. Fourth St., St. Paul, Minn.
237 Main St., Memphis, Tenn.
137, 139 S. Meridian St., Indianapolis, Ind.
90 Pearl St., Buffalo, N. Y.
24 Fremont St., San Francisco, Cal.
14, 16 Front St., Portland, Ore.

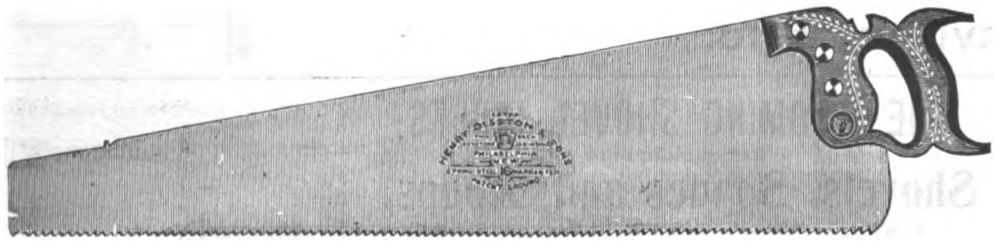


DISSTON'S "ACME" No. 120 HAND SAW.

Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

—EVERY SAW FULLY WARRANTED.—

Henry Disston & Sons,

(INCORPORATED.)

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PA.

Carried in stock by all Jobbers.

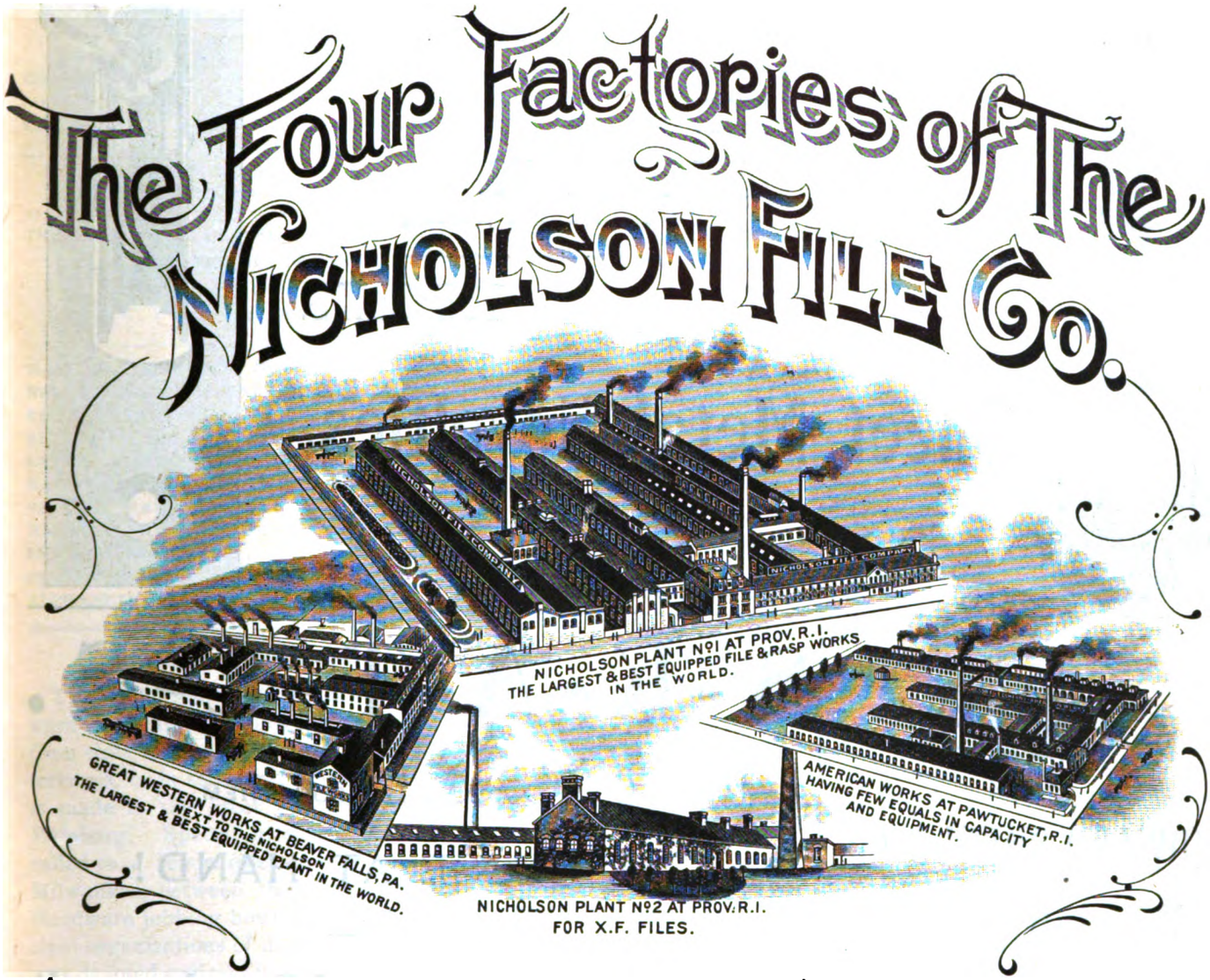
NOTE.

"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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Largest File and Rasp Producers in the World.



MAIN OFFICE AND ADDRESS,

CABLE ADDRESS
NICHOLSON
PROVIDENCE, U.S.A.

NICHOLSON FILE CO.
PROVIDENCE. R.I. U.S.A.

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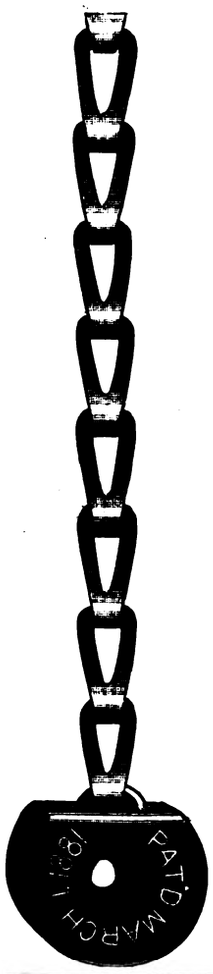
Standard Brands.

"NICHOLSON,"	Product of Plant No. 1,		Providence, R. I.
"X. F." (EXTRA FINE)	" " "	2,	Providence, R. I.
"GREAT WESTERN,"	" " "	3,	Beaver Falls, Pa.
"AMERICAN,"	" " "	4,	Pawtucket R. I.

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THE SMITH & EGGE MANUFACTURING CO.,

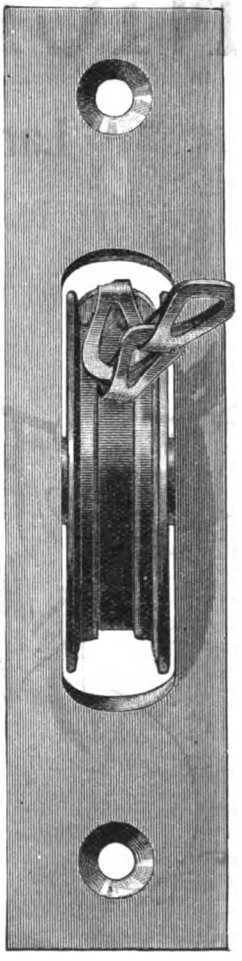
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Manufacturers of all Grades and Sizes of

SASH and CABLE **CHAINS,**

SASH PULLEYS,
PADLOCKS,
DRILL CHUCKS,
CYCLE LOCKS,
TOE CLIPS.



Sheet Metal Novelties.

Write for Circulars and Prices.

ESTABLISHED 1827 — E.S. 1827 & Co. — INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

BUTTONS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

S-K-A-T-E-S.

THE CALL FOR THEM

IS CLOSE AT HAND!

Now is the Time to PREPARE to Answer It.

Here is the Place to Send





On page 58 of this issue, you will find the SECOND CHAPTER

OF THIS

LESSON IN SKATES.

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HARDWARE

VOL. XII. NOVEMBER 25, 1895. NO. 4.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY.
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 109 NEAVE BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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The Annual Hardware Gatherings.

This is the season of the year when the various Hardware associations, following the custom of mankind from time immemorial, meet in annual business conferences, or in social gatherings. Elsewhere reference is made to the great gathering of the past week at Pittsburg. Special attention in this connection is called to a report elsewhere of a recent conference in Milwaukee, between the representatives of the heavy Hardware jobbing houses, and the officers of the principal organizations of manufacturers. As this meeting was devoted entirely to the discussion of business questions relating to the relations between these two great lines of Hardware, no publicity was, of course, given thereto. It is a pleasant feature of the situation, however, to be able to announce that the gathering was harmonious in every respect, and that in all likelihood the result will be more cordial relations and a better understanding between the manufacturers and the jobbers. It is in gatherings of this character, that is demonstrated the value of the fraternal and business organizations, which have so abundantly increased within the Hardware trade the world over during the past two or three years, and largely following the example set by the organization of the Hardware Club of New York. The results that have flown already from these gatherings and the meetings of these various bodies, have demonstrated beyond the possibility of question, their value as adjuncts to trade, and their tremendous influence in causing all lines engaged in the making or selling of Hardware, to better understand each other and to avoid those disagreements which come largely through misunderstanding and inability of the one to place himself, for a time, in the position of the other. There are so many ways in which a gathering like that at Milwaukee can be useful, that it is not necessary to refer to them in detail. A quotation of the titles of two of the papers there presented illustrates the central thought, one being "Relations that Should Exist Between Jobbers and Manufacturers," and another "The Necessity of United Action upon all Important Questions." The Milwaukee conference, the Pittsburg meeting, the annual gathering of the other great associations so near at hand, and the acquaintance and friendship made and cemented by these gatherings, are all in a direct line, and point to the one desired end. As we suggested some time ago, it is beyond question a fact that if some central point could be set up around which all of the Hardware associations and societies of the United States could rally for concerted action, and the carrying out of such measures as could be inaugurated for the general good, the result would be of immeasurable benefit to the entire trade. Why not have a general association or annual reunion made up of delegates from them all?

Mexico Falls Into Line.

Of expositions there are no end. Nobody wishes to see them end. They are object lessons of the world's civilization, of advances in the liberal arts, of the development of human ingenuity, of the methods employed by man to better his own condition, and do good to his neighbors. A great fair like that of Chicago reaches out with influences for good into the uttermost corners of the earth, and the most remote isles of the sea.

Mexico is one of the recent nations that have fallen into line. By act of the congress of our sister republic, it has been decreed that the Mexican Industrial Exposition shall be opened in the City of Mexico on September 15th, 1896, which, it is said, will embrace a representation of manufactured products from all parts of the world.

This is the first exposition of its kind ever held in Mexico, and the officials and citizens of that country propose to do everything that lies within their power to make it a success. It is thought by those having it in charge, that it will be the means of drawing to Mexico a great many buyers from the Southern republics, and thus secure to manufacturers a larger market than Mexico alone could offer, and that "the scenic attractions of Mexico will draw from Europe, from the West Indies and from the United States, a large number of persons who have heretofore spent their money in European travel, and who may be induced to alter their trips to our southern and sister republic."

The Hardware manufacturers of the United States will of course be well represented. They have a great deal to show, and the opportunity is too good to be lost.

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Jobbers and Manufacturers.

An important conference was held in Milwaukee, Wis., on November 8th, between a large number of the heavy Hardware jobbing houses, and the officers of the principal organizations of manufacturers, such as those relating to bar iron, bolts and nuts, etc. As it was a conference merely, of course the proceedings were not made public, but the results are certain to be found in a more harmonious understanding between these two great lines. F. K. Maus, of Kelley, Maus & Co., Chicago, filled the chair, and W. C. Brown, of the same city, acted as secretary. The firms and companies represented were as follows:

Robert Donahue, Burlington, Iowa; S. D. Kimbark, Kelley, Maus & Co.; Parkhurst & Wilkinson, Chicago; Roehm & Davison, Detroit; Mossman, Yarnelle & Co., Fort Wayne; W. J. Holliday & Co., Indianapolis; Todd-Donigan .ron Co., Fulton, Conway & Co., Louisville; Shadbolt & Boyd Iron Co., Suelflohn & Seefeld, Milwaukee; Buford Bros., Nashville; Baum Iron Co., Omaha; Paddock-Hawley Iron Co., Sligo Iron Store Co,, Beck & Corbett Iron Co., Globe Floe & Iron Co., St. Louis; Charles E. Faeth Co., Sioux City; Nicols & Dean, St. Paul; Minneapolis Iron Store Co., Minneapolis; Sieg Iron Co., Davenport, and John Ernsdorff & Sons, Dubuque.

The visitors were entertained at a banquet at the Hotel Pfister, in the evening of the day named, by the local Hardware dealers of Milwaukee. The toasts responded to were as follows:

"How can we, as jobbers, secure the best results from the labors of our employees?" Charles R. Blake, president Sligo Iron Store Co., St. Louis.

"Relations that should exist between jobbers and manufacturers." Charles Roehm, Roehm & Davison Co., Detroit.

"Methods of computing profits and compensating traveling men." E. F. Yarnelle, Mossman, Yarnelle & Co., Fort Wayne.

"Necessity of united action upon all important questions." Robert Donahue, Robert Donahue Iron & Hardware Co., Burlington.

Cleveland Cycle in Europe.

Manager L. H. Bill, of H. A. Lozier & Co.'s New York branch, sailed for Europe on November 23rd, in company with Harry Lozier, and while abroad will arrange for an extensive exhibit of Cleveland Cycles at the Crystal Palace. Arrangements will be made to open a central office in London, and from there the interests of the Cleveland throughout Europe will be vigorously pushed. These wheels have met with such phenomenal success in France this year that an initial order for 1500 Clevelands has just been placed by the Paris agent.

Forksides for Bicycles.

The Ames Sword Co., Chicopee, Mass., are producing, at the rate of 1500 per day, a fine grade of brazed forksides for bicycles, and find the demand to be so great that their facilities for producing the same are taxed to their utmost capacity. They explain that they were called upon last season to make a few for trial by parties who had been disappointed on deliveries of stock, and they gave so much satisfaction that they made up some 15,000 to 18,000, and this season have their orders for their complete output. "We were also called upon by others, and have booked orders for this season's work for upwards of 150,000. Our forksides are made from a fine grade of cold rolled steel, which is manufactured expressly to our order for sword scabbards. We made them up on our scabbard tools, and find our sixty years' experience on swords and scabbards to be of great value to us in producing an article, which is not only of good shape and form, but one which retains all the good qualities for the purpose intended. Our forksides are light in weight, but possess great strength, and we hear nothing but praise from our customers, who cannot speak too highly of their excellent qualities. We have in the past been favored with large contracts for similar goods from the government, where the most rigid tests have been given for strength, and our methods of producing articles of this nature have been brought to a point of perfection that cannot be excelled by others who produce goods of this character."

Minor Note and Comment.

The Union Nut Co., No. 107 Chambers Street, New York, have taken the agency for the America wheel, manufactured by the International Mfg. Co., No. 192 South Clinton Street, Chicago. The territory includes a portion of New York and New Jersey and all of the metropolitan districts. The feature of this wheel is a truss frame which is said to be very strong. The Union Nut Co. will have samples displayed at the present quarters.

A corporation to manufacture a new hammerless gun, the invention of a young mechanic, is being formed in Baltimore. The lock is the new feature of the invention, and is said to be simple and strong. The gun will also be provided with two sets of barrels, one set choke bored and the other the plain cylinder pattern, with no increase in price.

The Syracuse Cycle Co., Syracuse, N. Y., announce: "That the American 100-mile tandem road record was broken on November 9th by A. A. Hansen and John Nelson, mounted on a Crimson Rim Tandem; time, 5:07:00. The Minnesota State record was also broken on this same occasion by Chas. Palm, mounted on a Crimson Rim; time, 5:19:00."

J. H. Sternbergh & Sons, proprietors of the bolt and nut works at Third and Buttonwood Streets, Reading, Pa., will shortly erect a rolling mill, 80x200 feet, at Fourth and Buttonwood Streets. The contract has been awarded to L. H. Focht. The building will be of brick and one story in height. A large number of men will be given employment.

The stanniferous, or tin-bearing area in New South Wales is estimated at five and a half million acres, or 8500 square miles. Up to the present, most of the tin has been obtained from the New England district. The value of the tin and tin ore raised in the colony and exported, from the beginning of 1872 to the end of 1894, was £10,257,850.

The National Screw & Tack Co., Cleveland, Ohio, announce that they have opened at Nos. 112–114 Lake Street, Chicago, an office and stock room, under the management of C. L. Weeks, at which place they will carry a complete stock of their various lines of manufacture, for the accommodation of the trade.

"The Progress Of The World" is a new monthly magazine devoted to history, politics, science, mechanics, commerce, agriculture, finance, literature, art and the drama. It is a bright, interesting and well edited paper, published in New York.

The tin-plate works of the Pittsburg Productive Co., New Kensington, Pa., will be enlarged. The addition will be a finishing mill, in which it is anticipated 4000 men will find employment.

E. C. Bennett, of E. C. Bennett Co., who sells the Remington wheel in New Haven, was entertained by Mr. Reville, of the Remington Arms Co., at the Hardware Club last week.

The consumption of camphor in the manufacture of smokeless powder is so large that the commodity has doubled in price.

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PRACTICAL TALKS TO HARDWAREMEN.

DISPLAY CARDS.

An effective way to draw attention to small articles, is to select a piece of common white cardboard and mount the article upon it. Thus butcher knives may be advertised by taking a piece of cardboard 14x20 inches, in the centre lay a 12-inch knife, and run a pencil lightly around the handle, then cut out the part marked, and through the opening made part of the handle will protrude, thus making the blade lie nearly flat. On the reverse side paste a slip of paper over the handle and to the cardboard; when dry the sign may be suspended without the articles falling off. These signs should be hung, not only in the show window, but also in the store. The price should be plainly marked.

For a seasonable window sign select a pine board six feet long, 18 inches wide, ⅞ thick; paint both sides white. On one side paste paper shells arranged in the form of letters. Slips of paper, about a quarter of an inch wide, if pasted on the shells, will allow them to be glued to the board and read "Loaded Shells." The price per hundred may be indicated, by making the figures out of wads. On the other side of the board the words "Shot and Shell" may be made by using black smaltz to cover the letters in "powder," the fine grain very much resembling rifle powder. The letters forming the word "shot" may be made by boring shallow holes; pour in first a little glue and then the shot, using different sizes for each letter. This sign should be hung at right angles in the window, and from it the "leader" shotgun cartridge belts, hunting coats, etc.

A NOVEL WINDOW DISPLAY.

I had come nearly to the end of the main street of W———, and was slowly retracing my steps to the station, when my attention was attracted to the unique windows of a Hardware store just across the street. In one window there was what had been a case for displaying cutlery; the glass had been removed, leaving two shelves supported by a shaft running through their centres. There was nothing on the shelves, excepting a thick coating of dust, while in the bottom of the window, a razor strop, some sad irons, a few plated spoons and a trap with a live mouse in it, could be seen, as they were only partly covered by a dozen or so web-halters.

With a hasty glance at the other window I stepped inside, anticipating something interesting in store arrangement. There was no one in the store at the time, but through an open doorway I heard the sound of hammering.

Taking advantage of the situation, I photographed mentally the appearance of the interior of the store. Immediately before me, and blocking the passage, was an obstruction which I afterwards found to be a stove, but at the time it was covered with several dozen tin cans and fire shovels in original packages, to the depth of a foot or more.

In one nail bin were three coal picks and a double-bitted axe; in the next, one boot and a pair of overshoes.

The space not taken up by the stove was occupied by five or six packing boxes. Endeavoring to get across the room, I struck my shin against a corner of one of the boxes. This caused me to make an exclamation which brought the proprietor on the scene. As an excuse for entering I asked to be shown an oil heater I had seen in the second window. Lifting it out, he made a place on the stove to show it, by brushing tin cans and fire shovels on the floor. In reply to my question concerning the heating drum, he commenced a search which he abruptly ended by recollecting that he had loaned it to the milliner next door.

Not wishing to put him to any more trouble, I apologized for taking up his time, adding that as he was evidently opening up his store, he had been hindered in getting it in shape.

When he replied that he had been in business in that stand six years, I hastily bade him good-day.

CONCERNING MEMORY.

If in your business you would prosper,
Carry its motives close to your heart—
Eat with it, drink—sleep with your business!
Then will not mem'ry fail in her part.

When a man fails to keep an important engagement, he blames his memory, as though something apart from himself, and for whose failure he was in nowise responsible.

Too often men use their memory as they would a bag already well filled, but into which they desire putting something more—with the result that the last thing put in springs out, while the first is jammed in so tight, that if reversed, is so pressed out of shape as to be useless.

It is easy to remember where the heart is. If a man is interested in articles he is daily handling, their sizes and numbers come to him as matters of course. But to all men there comes a time when memory fails them, sometimes producing a chain of circumstances ending tragically or comically as the case may be.

A customer for roofing paper once forgot to take his can containing a gallon of coating. A painter coming in shortly after bought a can of putty which the clerk brought and placed on the counter, calling to the painter who had stepped to another part of the room. Just then the roofing customer came in breathless, picked up one of the cans and hurried out. The painter took the remaining one and also left. Pretty soon he came back screaming mad—such jokes wouldn't go down with him. We tried to pacify him, unsuccessfully, and were at a loss what course to take, when in came the roofer also mad. Then the mistakes were rectified. The painter exchanged his coating for the roofer's putty. The blame, properly chargeable to the roofer's memory, was put on the clerk, and our customers left in perfect good humor.

An old man used to come to the store selling mauls, which he made during the winter months. After the usual dickering, a bargain was made apparently to the satisfaction of all concerned; but the old man, instead of going as soon as he got his money, still hung around. The proprietor, however, bade him good-day and was on the point of going, when the man of mauls said he would like to have his money. The proprietor said that he had it—that he gave a check and that it was in one of the old man's pockets; these were turned inside out, the lie was passed, and the situation was getting interesting, when the proprietor insisted that the old man allow a third person to examine his pocketbook and make a complete search. This was done, and when the pocketbook was searched for the tenth time, the check was found just where the old man had forgotten he had put it. However vexed the proprietor was, he could not say much, as that very day he had paid the license on a horse that had been dead six months.

SHOP TALK.

In a moment of confidence the All-Around Man remarked that he did not know why he could not get along. Said he: "I don't drink. I work hard; and yet, after being in the Hardware business ten years, I can only earn fifteen dollars a week."

The Bookkeeper thought it rare to find a man who excelled in every branch of the business; his motto was "Be Thorough;" that the man who made the most for himself,

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produces the most for his house, indirectly in lessening an expense and directly in increasing the sales.

After some discussion it was agreed that the branch of the Hardware business that offered the greatest inducements was the Builders' Hardware department. That if any of the trade papers were examined, the advertisements for help wanted called for five Builders' Hardwaremen to one general clerk.

The Builders' Hardwareman being called upon, said that the reason was because there were fewer men who could approach the trade and figure plans correctly, than might at first be supposed.

Answering the question "How can one learn to figure plans correctly?" he said: "First get a set of plans and specifications from an architect and take instructions on technicalities, learn the significance of marks and terms. For," said he, "you may know a great deal about locks and knobs, but if you are ignorant of the skill of reading plans your Hardware knowledge will avail you little."

SHOP MAN.

Products of the Standard Fiber-Ware Co.

The products of the Standard Fiber-Ware Co., Mankato, Minn., are almost too well-known to need a detailed description. We illustrate herewith a half dozen lines manufactured by the company, including Water Pails, Chamber Pails, Cuspidors and Mats, Wash Bowls and Pitchers, Spit-





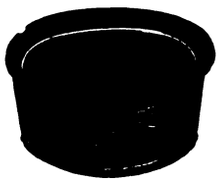
toons and Wash Basins. The company say that their goods combine strength, durability, convenience, with cleanliness. The Water Pails are described as being particularly adapted to mining and alkaline, and also dry and windy regions, as they do not rust nor fall to pieces; and that they are adapted for continuous holding of water because they do not corrode, become foul, nor soak up pulpy. The Chamber Ware with hand-painted decorations is said to be very handsome, as impervious to liquids and odors as crockery, more easily and safely carried about and emptied, without breaking; and so, more durable and convenient, and, at the same time, cheaper. The Cuspidors with Mats are suitable for public halls, large corridors and lobbies. It is claimed that the Spittoons have all the merits of the pails, and are particularly adapted to use in hotel lobbies, court house, stores, mills, offices, and all places where many such articles are much used, because their shape, smoothness, and detachable covers en-





able them to be easily cleaned, stacked and moved about. It is said that the Wash Basins also, being so easily kept clean, and not rusting or soaking, and so cheap, are just what are wanted in country hotels and in the back kitchen or wash room, by the mechanic, artisan and farmer, and by all workmen in shop, mill and factory. The company say: "We have learned that long tough fiber, like flax, is desirable; that wound and pressed fiber goods are stronger and more elastic than moulded; that, when the shapes of fiber vessels are such that they cannot be drawn or pressed into form like sheet metal, the bottom should be immovably fastened to this vessel so it cannot warp out or loosen; that pails for common use should have all edges protected by metal; that just the right material in





just the right proportions must be united under proper conditions in the water-proofing process, so as to combine chemically with the fiber, with such subsequent treatment as to indurate the ware by oxidation throughout, so that it shall be practically equal to vitrified ware, without its fragility. Standard Fiber-Ware is made as we have just described."

Revised List on Aluminum Ware.

Sidney Shepard & Co., Buffalo, N. Y., have issued a new list on Aluminum Ware, which may be found below. In connection with this they announce that the completion of the Niagara Falls plant, and the consequent low cost at which immense quantities of electricity are produced, have enabled the manufacturers of aluminum to make the metal at much lower cost than heretofore. This enables the manufacturers of aluminum ware to furnish it at much less price than before. The list per dozen is as follows:

Preserving Kettles	No. 2000	2200	2400	2600	2800	3000
	$8.60	10.00	11.80	13.00	16.00	17.00
Sauce Pans	No. 1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
	$4.50	5.00	5.80	6.80	7.80	9.00	10.50	12.50	14.00	17.00

Tea Steepers.....No. 1000, $6.60; No. 2000, $9.60
Tea Pots.....No. 3504, $27.00; No. 5130, $24.00; No. 5140, $26.00
Coffee Pots.....No. 3604, $24.00; No. 5230, $21.00; No. 5240, $23.00

Pudding Pans	No. 1600	1700	1800	1900	2000	2100	2200
	$4.00	4.60	6.00	7.00	8.20	10.00	11.00

Milk Pans.....No. 900, $11.00; No. 1000, $13.60; No. 1100, $15.00
Tubed Cake Pans.....No. 4200, $7.20; No. 4300, $8.40
Buffalo Cups.....No. 2000, $2.50; No. 3000, $3.00; No. 7000, $6.00
Mountain Cake Pans.....9 in., $3.50; 10 in., $4.70
Measures...½ pt., $5.00; 1 pt., $6.00; 1 qt., $10.80; 2 qt., $15.00; 4 qt., $20.00
Muffin Pans.....No. 1100, $6.30; No. 1130, $12.00
Liquor Mixers.....No. 500, $3.20; No. 1000, $4.50; No. 1500, $6.00
Corn Cake Pans.....No. 1300, $7.00; No. 1330, $13.00
Perfection Cake Pans....No. 1000, $6.60; No. 3000, $10.80; No. 7000, $12.00
Fry Pans....No. 200, $8.50; No. 300, $10.00; No. 400, $14.00; No. 500, $16.00
Dripping Pans.....8x10, $8.00; 9x14, $11.50; 10x15, $12.00; 12x17, $15.50

Family Dippers	No. 1350	1550	1750	1300	1500	1700
	$5.00	5.30	7.30	5.30	5.60	8.00

Wash Bowls.No. 2600, $7.20; No. 2800, $8.40. No. 3000, $10.00; No. 3200, $11.50

Bellied Sauce Pans	No. 3000, $16.00	Jelly Cake Pans	No. 40, $3.50
Milk Boilers	No 3000, $28.00	Funnels	No. 3000, $4.80
Tea Kettles	No. 800, $46.00	Deep Pie Plates	10 in., $3.50
Tourist Cups	No. 2500, $5.00	Bread Pans	No. 2200, $6.00
Dish Pans, 14 qt., $30.00; 17 qt., $36.00		Beer Trays	No. 1000, $7.20
Picnic Cups	No. 1000, $6.00	Servers	No. 2000, $9.00
Tumblers	No. 500, $3.20	Soup Ladles	No. 3500, $6.00
Str't Pie Plates, 9 in. $3.50, 10 in. $4.70		Handy Dippers	No. 2020, $3.60

The members of the Hartford Hardware Clerks' Association held their annual banquet at Hartford, Conn., some evenings since, when the usual amount of stories and scenes from Hardware life were related by the boys and the evening much enjoyed. Following the supper the annual business meeting was held and officers for the ensuing year were elected as follows: F. C. Bidwell, president; E. J. Haskins, vice-president; C. E. Martin, secretary and E. R. Clark, treasurer. Herbert S. Herrington of Willis Thrall & Sons was admitted as a member of the association, and the treasurer's report showed a prosperous condition of the club financially.

The Simmons Hardware Co., of St. Louis, will make the Iver Johnson cycle one of its leaders for next year, Fred I. Johnson having closed a contract with the company for 2000 Iver Johnson cycles on his recent Western trip. This company will act as Western distributing company for Iver Johnson's Arms & Cycle Works.

Iver Johnson's Arms & Cycle Works, of Fitchburg, Mass., recently sold ten of their '96 machines to the Norwegian government for the use of government employees. The machines were finished in blood red, the country's color.

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An Olde Harde-Ware Store.

An old-fashioned envelope in brown, has found its way to this desk, and within it, upon coarse, brown paper suggestive of the primitive days, was found an attractive monograph, the title page of which is here reproduced:

JOHN E. BASSETT, President. GEORGE J. BASSETT, Sec. and Treas.

Established 1784.

Ye Olde Harde-Ware Store

1784
Titus Street 1792
Street and Hughes 1821
1838 S. Hughes & Son
E. B. M. Hughes 1855
John E. Bassett & Co. 1889
The John E. Bassett & Co.

The John E. Bassett & Co.

754 CHAPEL ST. 318-320 STATE ST.

NEW HAVEN, CONN.

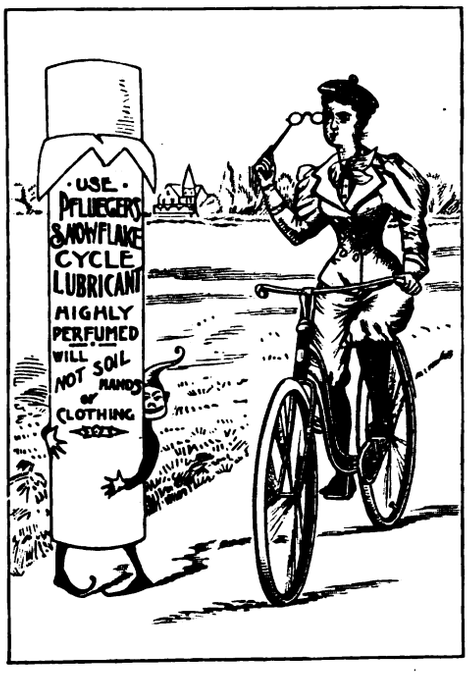
This is followed by a history of this ancient yet up-to-date house, from which we quote: "It is Ancient History, perhaps, to many of the New Haven public that the Olde Harde-Ware Store on Chapel Street was established one hundred and eleven years ago, in 1784, the year in which New Haven, with some three thousand inhabitants, became a city. A business centenarian for several years, it is probably the oldest house of its kind in New England. During all that period of commercial longevity but four men have had the management of this business, which, handed down from senior to junior partner and from father to son, has never really changed hands. And for nearly half that time the present head of the concern, Mr. John E. Bassett, has been connected with it; for with the beginning of the coming year he will have completed his fiftieth year of service in the same store where, as a boy, half a century ago, he began his business career. Mr. Bassett has for several years been accorded the distinction of having been longer on the street than anyone now in business there, and the changes he has witnessed in that time have been fully commensurate with the remarkable growth of our country. From the small 'shop' of fifty years ago, where everything comprised in the Hardware of that day was to be found, the business has grown; so that now the old three-story building on Chapel Street, with its connecting store on State Street, can contain but a small part of the many and diverse articles known as Hardware. As in the case of the professions, business has developed into specialties; and though our store has never lost its general character, yet we have turned our attention more and more to the extending of several special lines—chief among them being cutlery. Though established over a century ago our store has always been abreast of the times; and yet in the selection of our stock, though it is thoroughly up-to-date in style and usefulness, old-time quality has never been sacrificed for sham; while in the serving of our patrons, the courtesy of yesterday is never lost in the hustle of to-day."

The Erie Specialty Co.

The Erie Specialty Co., Erie, Pa., have been established but seven years and have already obtained a prominence in the manufacturing world which encourages the genial proprietors to look for a greater measure of success in years to come. The company have just erected and occupied a neat brick factory, two stories high, and 103 and 40 feet in dimensions, which, in convenience, lightness and solidity, is not inferior to any manufacturing establishment in Erie. It is of the slow-burning, or mill-construction type, and the arrangements for ventilation and heating are admirable. The premises are amply large for almost any degree of expansion and enlargement, and it is the purpose of the proprietors to make the grounds attractive and beautiful, each partner believing that pleasant surroundings are not inimical to the prosecution of business. Some idea of the prosperity of the company may be gathered from the statement that their business for the first nine months of the present year was equal in volume to the entire business of 1894. The factory gives employment to about 75 men. The products of this company that are best known are corkscrews, cigar box openers, cigar cutters, cigar lighters, etc.

A Bicycle Chain Lubricant.

The intellectual and athletic young lady who is here seen speeding upon her machine, has a right to feel that the brownie whom she has met has a laudable ambition to make her way easy, and reduce her labor to a minimum. The means by which he proposes to do it are obvious—the reduction of friction to the lowest possible point. Those who have used Pflueger's Electric Bicycle Chain Lubri-



cant, made especially for application to bicycle chains, declare that it fully carries out all that is claimed for it. The "Snowflake" brand of the same seems to have been made especially for the use of the lady wheelers, as it is described as highly perfumed, and the information added that it will not soil the clothing. The manufacturers describe the Lubricant as of first-class quality and economical, because of its lasting qualities. It is put up in handsome silver foil wrappers, and in six assorted colors on a slanting show case, with wire brace—making a very attractive display for show case, counter or window. It is made in three sizes, with two cards—one dozen—in a box. The manufacturers, the Enterprise Mfg. Co., Akron, Ohio, have placed this article upon the market with great success, and will be pleased to answer inquiries as to prices, etc., and also concerning their great lines of artificial fish bait, luminous bait, etc.

T. F, Campbell, Hardware, stoves, etc., New Brighton Pa.: "Your valuable journal is always a welcome messenger, and I look forward to the 10th and 25th of each month for HARDWARE as I would look for a trusted friend, for it is surely such."

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"Hop's" Corner.

Among the many miseries of a "traveler's" life, there are few that bring more discouraging results, when compared with the glowing anticipations under which they find birth, than the letter or telegram your firm forwards to you, instructing you to "call upon Smith & Blank, who are desirous of purchasing a large bill of goods," when in reality all that the aforesaid Smith & Blank have done to create this second story rainbow of hope, is to ask for the "lowest prices" on three or four unimportant items in our voluminous catalogue.

It was an experience such as this which my old friend, Charley Bartol, struggled through a few summers ago. Charley is still oiling the machinery of trade in the house of Ives, Blakeslee & Co. He was in Boston on that memorable occasion filling that dignified community full of a new trick dog, with which the above mentioned inventive company was innoculating the toy dealers. It was new, being propelled by squeezing a small rubber bulb, and forcing the air to create a locomotion to the "pup." His firm telegraphed him to "call on Blankenstein Bros., who were large publishers, as they wanted to purchase a large quantity of the popular trick dogs."

Visions of a record-breaking order filled his brain, in which this new and desirable toy would be purchased with a view of utilizing its novelty as a "premium" in the promulgation of some periodical published by this undeniably progressive house. He early in the morning of the hottest day in the season—84 degrees at 10 A.M.—walked every step of the way across the Common, sweating at every pore, and finally sallied into the large establishment occupied by this house; waded through an ocean of female employees, and having his telegram clutched tightly in his itching palm, he finally reached the office of the buyer, who, upon learning the facts from the telegram, seemed at a loss to account for its inspiration. After asking all over the house of the possible projectors of this method of obtaining information, it was finally discovered that the office boy who wanted to buy *one* of these latest novelties "at the bottom price," had used the firm's notehead, envelope and stamp to obtain the sought-for information, and, of course, as far as Charley was concerned, the firm "regretted exceedingly—the article was so entirely out of their line," etc., etc. I violate no confidence when I state that Charley returned to his hotel as speedily as possible and wrote a letter to his house on the subject, every line of which scorched the paper on which it was written.

I have often thought what a lovely lot of "miseries" the "boys" could put together, if they only set out to accomplish it, for the experience of every traveler is filled with them. How will this do for a starter?

Sitting up until 2 A.M. to copy several important orders for the mail which leaves daily at 6:30 A.M., and which the clerk of the hotel promises will be called for at your room at 5:30, in ample time for the post-office.

Wake up at 8:30 as from a "Rip Van Winkle" sleep, and find your identical letters on the table, where you left them on retiring; and then to aggravate the case, have the clerk swear they "rapped on your door fully five minutes and couldn't rouse you." You plead this couldn't be possible, as you are an extremely light sleeper, when the clerk settles you by asking if you "heard the breakfast gong at 7:30," which you are obliged to confess you did not, and so it serves for the moment to mitigate the severity of your wrath. You do not learn until afterward that this house never rings a gong for breakfast. So, of course, you didn't hear it, but the clerk was "fly" enough.

When I commenced as office boy in 1856 for John C. Tucker & Co., corner Dey and Greenwich Streets, the number of jobbing Hardware houses was very large, and it was the height of many a youngster's ambition to become connected with a business considered so essentially unspeculative and pre-eminently respectable. I remember as though it was yesterday, the modest manner in which Thomas C. Smith, who attended to the business of engaging new talent, stated to me what were the usual terms on which engagements were made, and I was even then a long-legged boy of five feet eleven, and he was a few inches shorter. He seemed to look up at me when he stated "they usually gave $100 for the first year's services, with an advance of $50 for each succeeding year, but in my case," etc. The result of the conference was I agreed to what was virtually a three years' apprenticeship at $125, $175 and $250. As I had early knowledge of my inability to live on my first year's income, I was prepared to accept, even before the terms were stated, and so was launched successfully.

Of the large number of Hardware houses then in existence, very few, if any, made large gross sales. I doubt if the largest at that time reached annual sales of $400,000.

I think John C. Tucker & Co. averaged about $180,000; but the salaries were small, $1100 being the highest among the salesmen and $600 the lowest. The bulk of the sales being made on English and German goods, costs of which it was simply impossible for retailers to obtain, the jobbers frequently made as large a percentage of gross profits as the retailers. In fact, some goods seemed so ridiculously low in original or actual costs, I have frequently, under instructions on our foreign bill-book, "marked up" the cost, 25 per cent., before putting on the customary jobbing profit. This, I remember, was notably the case with wrought padlocks, curry combs, hob nails and a variety of articles which formed the stock in trade of houses catering for certain sections of the country.

The Southern houses, or those whose sales were exclusively to merchants in the Southern States, it was agreed, made the largest gross sales, combining as they did the greater risk with the greatest profit. Credits were conceded on very long time, even to Northern and Western trade; "six months" was the rule; and in many sections of the South especially, accounts were invariably settled by the customary "note at bank" frequently in the merchant's hand before the goods were received and opened; and such extravagant claims for "shortages and overcharges," now so prevalent in these "2 per cent., 10 days'" times, were in those days almost, if not entirely, unknown. A dealer had to have substantial credit to be enabled to buy his supplies from the various houses, on such long time as then obtained, and he was very careful not to make himself unpopular by any such ridiculous methods insisted on at present. When goods were sold they were sold "for keeps" and not countermanded by mail before shipment, simply because a representative from a competing house makes a quotation 5 per cent. lower, so as to create cause for complaint.

The relations existing between the jobber and his customers were always of the pleasantest character, every care being taken on his annual or semi-annual visit to New York, to keep him well in hand during his sojourn in the metropolis. Clerks were deputized to take him around and show him the sights, the firm paying the expense account in a gross sum, without asking for a bill of particulars of the "jollying" usually resulting from the nocturnal trip.

Careful comparisons were made between the houses in the different lines patronized by the far-off buyer as to points showing an improved or impaired credit; the perfect community of interests among the jobbers in the various lines—not to be found in these "cash" times, making it necessary and advisable to watch closely the habits and business-like methods of a dealer whose account frequently meant $2500 to $3000 a year, with only semi-annual settling days, in which all the creditors were interested.

When the Western or Southern buyer got ready to commence his purchases, it was understood by the salesman—

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very often one of the firm—that it would be an all-day job. The wares sold were always in stock, and not as now represented, too frequently by a sample only. Goods were taken out of stock and the bill laid out on the floor, a large bill often remaining there a week or two before final disposition was made of it, by charging it up from the goods themselves and making a shipment of the same, many times the midnight oil, so to speak, being consumed before its successful accomplishment. The goods were insured against loss in transit immediately upon shipment, and the invoices forwarded promptly, accompanied by the universal notes made out ready for signature and return.

A few very close goods, nails and shot particularly, being always considered net cash goods, were paid for before shipment. Nails then cost $2⅜ to $2⅝ per keg, and were bought on four or six months' time, and sold for one-eighth of a dollar a keg profit, but were paid for at time of purchase, before shipment, making a much finer scale of profit than can be obtained to-day. It was much less trouble to sell them as well, the scales of prices being very limited, all sizes from 4d. up being sold at the base price $2⅜, as stated, $1.50 extra being charged for 3d. common, and $2.50 above base for 3d. fine, clinch nails costing $1 a keg more than common cut. There were no such fine distinctions in price as the close profits of the present day has made necessary in this one item alone, that of selling nails, covering as it does so many selling rates, that it necessarily takes a *man* to tackle a nail customer and make a sale, old-fashioned ways being too plain and direct for what "Abe Quackenbush" used to call the necessity for "buzz-fuzzing."

"Hop."

Big Improvements in Newark.

Since the middle of June large forces of carpenters, masons, machinists and other artisans have been at work in and around the immense department establishment of Hahne & Co., Newark, N. J., and wonderful work has been done in the way of alteration, improvement and enlargement, particularly on the Halsey and New Streets sides. In fact, it has all been in that direction, away from the big Broad Street front, and even until one was well into the store nothing could be seen of what was going on. A church and a large frame dwelling house on Halsey Street have been torn down, and with thousands of loads of earth taken out of the consequent excavations, have been carried away. In their place has been reared a brick and iron structure more than 125 feet square, fronting on Halsey Street, giving the firm 31,000 additional square feet of shopping room, and making the entire floor space nearly 250,000 square feet. Besides it gives a clean sweep through the block from Broad to Halsey Street and more than a hundred feet wide. When the improvements now in contemplation are completed—and to do that will require probably two years of steady work—the stores will have a frontage of about 200 feet on Broad and Halsey Streets, and have that width all through the block, besides the New and West Park Street fronts.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the Somerville Woolen Mills, Somerville, N. J., a spinning room 54 feet wide and 210 feet long, and a boiler room 40 feet wide and 216 feet long. The construction of the spinning room is steel trusses, with heavy plank floors and roof. The boiler room is constructed with brick walls, steel trusses and corrugated steel covering, making it absolutely fire-proof.

Doing Business Direct.

The position just taken by the Pike Mfg. Co., Pike Station, N. H., in regard to syndicate buying, is fully explained in the following letter to their customers, which they have issued under date of November 13th:

"We have established a salesroom at No. 151 Chambers Street, New York, and we believe that our friends can be better served and our business handled more expeditiously and satisfactorily if we do our business direct with them, and dispense with the services of manufacturers' agents and syndicate buyers. We have been most ably represented in New York for a number of years by an agency with whom our relationships have always been thoroughly satisfactory, and we have always been on the most friendly terms with the syndicate buyers. We feel, however, in making the change we are acting for your best interest as well as our own. We have recently published a new catalogue, which will be forwarded to you if desired. Our stock is very large and complete, and we can make prompt shipments of everything in the sharpening stone line. Our prices are reasonable, and the quality of our goods is well known, and all that bear our trade-mark are fully warranted."

This is accompanied by a letter to the agents and buyers referred to, which gives their reasons for this step, as follows: "We are in receipt of a letter to-day from one of our best and most reliable customers, which reads as follows: 'We were visited to-day by a syndicate buyer, and among other goods he gave us prices on that he could do us some good were yours. He quoted us the same prices your Mr. Smith left us, and then said they had a 5 per cent. commission. If this is the case, is there any reason why we should not have the benefit of that commission? It seems to us that it belongs to us if you give it to any one. We think you will see some justice in our claim.' We have had a good deal of trouble in this direction, and have decided that it is for our best interest to do our business direct as far as possible, and are therefore issuing the enclosed circular letter. You know that we have the very kindest feeling towards you personally, and that our business relationships have been of the most friendly character."

And now the bicycle makers have joined in the controversy, and threaten to boycott the railroads which make a charge for carrying bicycles. As they are heavy shippers of freight, it is thought that their action may have a favorable effect. The case is not entirely one-sided, however. Some bicyclists have expressed their satisfaction with the new rule, as it enables them to have their machines checked and to hold the railroad company responsible for any damage received in transit, while formerly they had to trust them to the tender mercies of the baggage men, and besides, had to pay these man a gratuity which quite offset the free transportation offered by the companies.—*Philadelphia Bulletin.*

Prospect Heights Hardware Store, No. 429 Fifth Avenue, Brooklyn, N. Y., October 10, 1895. HARDWARE Publishing Co.: Enclosed please find subscription to your paper for one year, beginning with the latest issue. We have been in business six months, and feel we can no longer get along without your valuable paper. Yours truly,

BRERETON & TAYLOR.

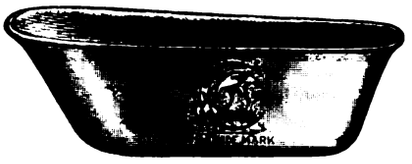
The Bissell Carpet Sweeper Co., Grand Rapids, Mich., are now and have been for some time in the past, operating their entire eight factory buildings, until nine o'clock every night, which is mainly owing to the large demand for Bissell Carpet Sweepers for Christmas gifts.

HARDWARE costs only One Dollar a year.

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What Is Linenoid?

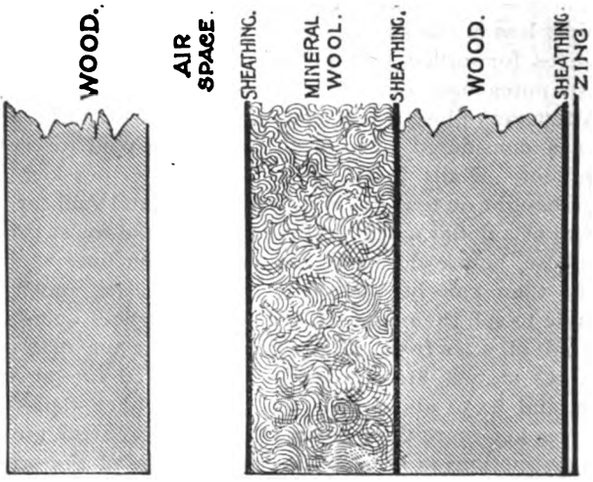
Crane Bros,, Westfield, Mass., are offering the trade a large assortment of articles manufactured from a new composition called Linenoid. This material is composed of linen stock, such as linen threads, canvas cuttings, etc., which, after being reduced to a pulp in a beating engine, and chemically treated to render it impervious to water, is run on a cylinder machine into sheets of any size or thickness. It is then molded on wooden or iron forms, subjected to great heat and pressure, the result being Linenoid, a material that the manufacturers state cannot be broken, is light, tough, water-proof, very durable, taking a high finish, and similar in appearance to rawhide. The following list shows the great number of articles that are made of Linenoid: Bath tubs, belting, boats, blank book covers, canoes, carriage tops, cone pulleys, cylinders, desk baskets, die blocks, extension cases, fish rod cases, grocers' baskets, gun cases, hotel trays, laundry baskets, laundry tubs, loom pickers, mill baskets, millinery boxes, musical instrument cases, pantry sinks, photographers' trays, pool triangles, printers' trays, trunks, tubing, umbrella stands, valve handles and warehouse baskets. We illustrate herewith a Linenoid Bath Tub, which is said to be extremely light and will not dent or rust. In speaking of their boats and canoes the company say: "We are aware that with the great variety of boats and canoes on the market no one need go without one, but we are sure that if there is a better material than wood for boats and canoes the boating public would like to know about it. We



claim that Linenoid is a better material, and will give a few reasons why a boat built of this material is superior to one built of wood. Owing to our method of molding them on forms, and making them seamless, we have—what makers of wooden boats have been aiming to produce for years—absolute freedom from leakage. As there are no seams to open, they are not affected in the least by heat or cold, will not warp, crack or split, and gain no weight by use."

Grand Rapids Refrigerator Co.

We have at hand a handsome photogravure catalogue and price list of the Grand Rapids Refrigerator Co., Grand Rapids, Mich. The company say: "We call your attention to the improvements we are constantly making in our goods. We offer an entirely new line of charcoal filled refrigerators, with elaborately embossed hardwood cases, and containing all our latest improvements. We also offer a complete line of mineral wool-filled refrigerators, in richly carved hardwood cases. We are also pleased to state that the reputation of the Leonard Cleanable Refrigerator as a first-class article, is now so thoroughly established, that we are receiving many unsolicited orders from all parts of the world. We recently sent one to the Sultan of Turkey, and they frequently go to India and Africa. The trade visiting the Atlanta Exposition are specially invited to examine our exhibit in the Forestry building, in charge of J. H. Roberts." The illustration given here shows the method of insulation employed in the mineral wool-filled refrigerators. In reference to this subject the company say: "Air is the best distributor of heat and also the greatest barrier to its transmission, according as it has or has not freedom to circulate. To prevent the conveying of heat to the inside of our refrigerators, we make the air space as nearly air-tight as possible. The air space also prevents moisture from within from reaching the outside case and swelling it out of shape. Mineral Wool is a vitreous substance having the appearance of wool. It is made from the slag of blast furnaces or other similar material by throwing a jet of steam against a small stream of the liquid glass. In this manner it is so expanded that it contains 92 per cent. of air and only 8 per cent. of the original substance. The air is confined and held in posi-



tion, consequently it cannot carry heat, and makes the best known insulating material. It is also indestructible and will not mould or smell. The sheathing used in our refrigerators is the Bird Patent Water-proof Inodorous Sheathing. It is called charcoal sheathing by some manufacturers, and is sometimes the only material used for insulation and only a single layer at that. By reference to the above diagram you will see that we give eight walls for insulation."

Making Bicycle Chains.

The Indianapolis *Journal* says: "The Indianapolis Chain & Stamping Co. will this week begin moving into its new building, corner of Mississippi and Georgia Streets, and will then become the largest plant of this character in the country. It was the first company to manufacture bicycle chains. For some months the company has been working 300 people, by working a night as well as a day force. When in the new buildings, 500 people can be employed by day, and in case of being pushed can, by running nights, more than double the present capacity. The new buildings are among the most substantial built in this city, are light and cheerful, and finely ventilated, a matter which is receiving more attention in the erection of buildings of late. The main building is 150 feet in length by 50 in width, with two wings each 70 feet long by 50 wide, and an enameling room 45 feet long by 25 wide. Electricity will be the power used, each group of machines having a motor. The building will be warmed by steam and lighted with 400 incandescent lights. The company hopes to be settled in its new quarters by Dec. 1st."

Aluminum Legs and Ears.

"Perhaps you may doubt the veracity of my statement, young man," said a well-known aluminum manufacturer to a representative of HARDWARE recently, "but it is, nevertheless, true that we are making artificial arms and legs of aluminum, and artificial ears have already been constructed of that metal. As an adjunct to the science of dentistry, it needs no recommendation, its long use in this connection being a guarantee of its popularity. Yes. It is being used in a great many other ways also: for horseshoes, army equipments, racing shells, cooking utensils, and is entering largely into the construction of yachts and torpedo boats, and, in fact, is being adopted wherever it is possible."

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ILLUSTRATED BICYCLE NOVELTIES.

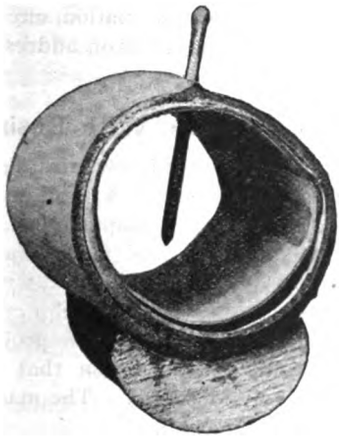
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Morgan & Wright Quick Repair Tire.

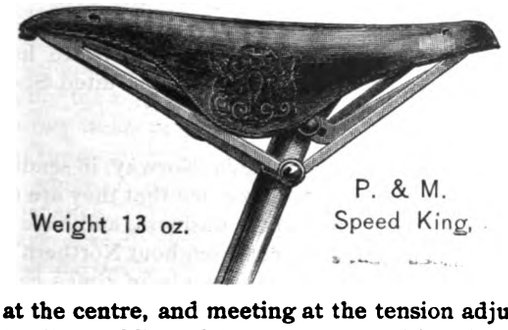
"Remove the nail and inject our special rubber solution, which, pressed down, picks up the patching ply in the inner tube, closing the puncture. That's all The



quickest, least expensive and only permanent quick-repair device." In the above brief manner, Morgan & Wright, Chicago, describe the operation of the quick-repair tire, which will be their standard in 1896. The quick-repair device does not change their regular make of tire except by the addition of a thin film of rubber inside the inner tube. Morgan & Wright have the reputation of not experimenting at the expense of the public, hence their claim that this quick-repair device combines the two essen tials, speed and permanence, is worthy of belief. They have produced something which others, less fortunate, have long labored for. Morgan & Wright have printed a beautiful brochure in which the operation of this simple device is described in an unusual manner, by photographic illustrations from life.

The Speed King Saddle.

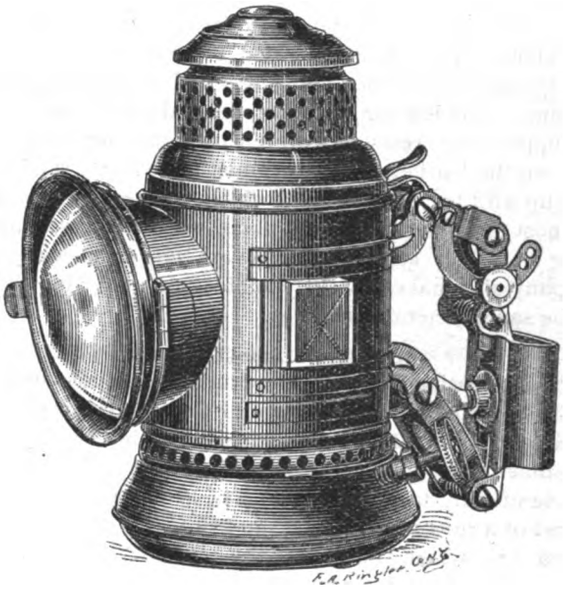
The Persons-Muller Co., Nos. 605 to 613 West Thirty-ninth Street, New York, are marketing the Speed King Saddle, as shown in the accompanying illustration. In the construction of the saddle, four trusses on the cantilever bridge principle are distributed throughout, supporting the cantle in as many different places, being bound by the



clamp at the centre, and meeting at the tension adjustment in front. The saddle weighs 14 ounces and is referred to as light, strong, and intended for road use. It is designed for comfort, and is of a very rakish appearance. The company also manufacture over twenty different styles of saddles, and use only imported English tanned leather, as they note "that American leather, though cheaper, will stretch, owing to the fact that we do not take even a quarter of the necessary time in tanning to produce a perfect leather."

Meteor Bicycle Lamp.

The Hitchcock Lamp Co., Watertown, N. Y., are introducing the Meteor Bicycle Lamp as shown here. It is made of rolled sheet brass throughout and finished in nickel, gilt or bronze; it has a round body and is furnished with a red and green window, one slide for lighting, and a powerful ground lense, with an accurately fitted reflector, and it is said to throw a strong light a long distance. It burns kerosene oil only, and the oil feeder is located on the outside. The top of the lamp is clamped in place by a strong catch. The oil tank is also fastened to the bottom of the cylinder by the same means. Both the top of the lamp, together with the oil tank, can be easily detached from the body of the lamp and all the parts easily cleaned. The lamp is constructed with an outer and inner cylinder, with an air space between the two, and with holes in the top of the outer cylinder, allowing the cold air to enter at the top of the outer cylinder and go down through the air space to the bottom of the inside cylinder, where this current of air then strikes across and meets the flame at the top of the burner. Another current of air enters at the perforations



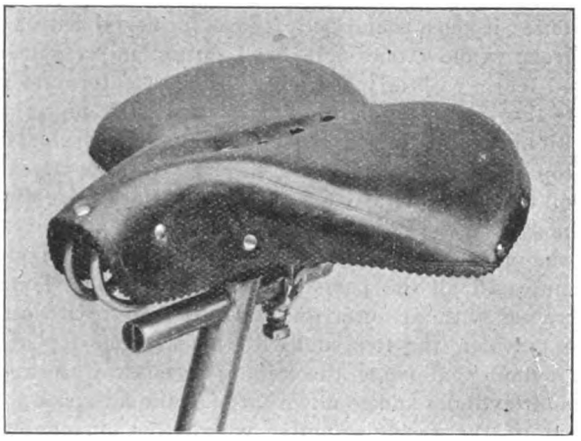
at the top of the oil tank, passes over the oil tank and goes up and around the flame underneath the burner. These two currents of air meet at the bottom of the flame, thus giving the flame an extra amount of oxygen, and this strong draft spreads the flame out, makes it clear and bright, and helps it to withstand a sudden jar or draft. The draft then follows up and out the top of the inner cylinder. It is explained that by this system of double draft, "the faster the lamp moves the stronger will be the draft, the greater will be the amount of oxygen forced up and around the flame, and the brighter the light; also that the extra strong draft serves to keep the lamp exceedingly cool." The wick-raising device is so constructed with a worm and gear that all parts of the wick are evenly turned up, thus making a square-topped flame instead of a pointed flame. The gearing is also constructed to prevent the wick from jarring up or down. The top of the lamp is fitted with a perforated cone that connects with the inside cylinder, and prevents any draft going in at the top of the lamp and down on top of the flame. The makers state that they have tested the lamp by holding the flame directly in front of a blower with an inch opening, and the lamp would not blow out, the blower running at top speed. It is stated that the

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reflector is easily removed for cleaning, but is so constructed that it cannot be put back in the wrong position. The hanger by which the lamp is attached to the bracket, is adjustable, and so constructed that the rider can tilt the lamp up or down to throw the light on the ground at any desired angle.

The Wheeler Reform Bicycle Saddle.

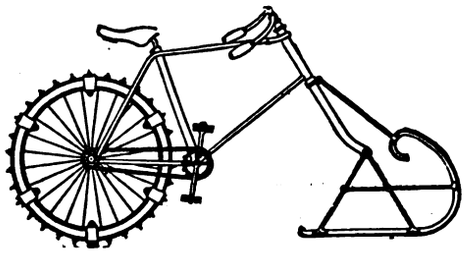
W. S. Demorest & Co., Chicago, Ill., are introducing the Wheeler Reform Bicycle Saddle manufactured by the Wheeler Saddle Co., Detroit, Mich. It is described as



being unlike the ordinary saddle, but of a shape that supports the rider, being dished in the middle to raise the sides. The leather is depressed at the front where the legs should rest. Being formed in this manner, contact with the nose and sides is avoided and freer play given to the legs. The leather does not depend on its own tension for support, but rests on two felt pads that are interposed between the leather and the frame. The frame is of wood, built up with layers of veneer, which, it is explained, makes it almost as strong as a metal plate, with the advantage of being only half as heavy, although larger in size. The company also make a racing saddle and one for ladies built on the same general principles.

Ice-Bicycle Attachments.

The illustration herewith shows an Ice-Bicycle made by the Chicago Ice-Bicycle Apparatus Co., Lakeside Building, Chicago. The makers claim these are the first practical attachments for converting an ordinary bicycle into an ice-bicycle offered to the public. These patent attachments consist of a runner to replace the front wheel, and a patent spiked tire which encircles the rear wheel as shown. "These attachments are made to fit any style or make of modern safety bicycles. The rear-wheel attachment is made so as to fit tightly around (pneumatic) tire, thereby getting the benefit of the elasticity of the rubber tire and at the same time forming a guard against punctures which are liable to occur if not so protected from the jagged edges of the ice or frozen snow. The machine is propelled by



spikes with flanged heads on the inner side, securely fastened to a strip of canvas around which is placed a metallic band which holds spikes in place. Before adjusting rear-wheel attachment, all air must be taken from the tube, and after attachment has been placed in position tire must be reinflated in order to hold the band secure. In adjusting the runner or skate, remove the front wheel and secure with bolts. The runner is very sharp and hollow ground, so no accidents can occur by slipping in turning or when riding at full speed. They also make a runner for exclusive use on the snow, which is secured to ice runner by a key on the front upper portion of the latter. A strap is fastened from the front of the runner to the fork of the frame, which will hold the runner secure should it accidentally strike a rock or anything likely to cause the bicycle to jar. This attachment weighs about two and one-half pounds, making the bicycle no heavier than when the front wheel is in use. Anybody who can ride a wheel will find no difficulty in using these attachments. Faster time can be made with the ice-bicycle than with the ordinary safety on the road, which has been demonstrated by a fast rider, making a quarter of a mile in twenty seconds. It has been tested by many fast riders on Lake Michigan, and all who have ridden it acknowledge it to be the fastest machine of the kind known." Further information, circulars, etc., will be mailed to the trade or bicyclists on addressing the manufacturers.

Did Not Interfere With Business.

The fire recently reported at Loewentraut's skate factory, Newark, N. J., was not nearly so serious as originally given out. A part of the two upper lofts, occupied by the stamping department, was considerably damaged, but the business has not been interfered with, as the management immediately put in new machinery. The insurance has been adjusted, and work is progressing in the regular manner, with the exception that the output of skates has been largely increased. The made up stock of skates was not damaged at all.

It is very evident that Geo. Hilsendegen, of Detroit, Mich., has great faith in the coming season's bicycle business, as he has up to date purchased nearly 10,000 high and medium grade wheels, and, like Oliver Twist, he is still "crying for more." In addition to having the exclusive agency for Michigan for three of the best known factories, he makes a leader of his "310" Special, a wheel with all the ear marks of the $100 bicycle, and yet being sold by him at a price which makes dealers open their eyes. In conjunction with his large jobbing business, he is the manufacturer of the celebrated Kozy Baby Seat and Bown Cycle Rack. Both of these articles are in great demand, and dealers would do well to correspond with him regarding them.

H. S. Earle, of Syracuse, N. Y., general selling agent for the North Wayne Tool Co., Hallowell, Me., makers of the celebrated, hand-made charcoal tempered axes and the C. C. Brooks patent scythes, says that they have been granted letters patent on the corrugated web scythe, separate from the set, and they "propose to protect themselves against all imitators and infringers regardless of friendship or politics." He also reports that he has established agencies with first-class wholesale Hardware houses in nearly every distributing centre in the United States and Canada.

C. E. Sontum & Co., Christiania, Norway, in sending their subscription to HARDWARE announce that they are carrying on a general import and export business, and have connections in all the principal cities throughout Northern Europe, and visit all important places a couple of times each year, in the interest of some American houses they now represent. Any other manufacturers upon this side who wish to be represented there will do well to correspond with them.

The factory of the New York Tin Foil & Bottle Cap Co , Kingston, N. Y., is reported to have resumed operations. All the former employees who desire it will be taken back.

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The Holroyd Stocks and Dies.

Holroyd & Co., manufacturers of stocks and dies, Waterford, N. Y., are among the oldest and most reliable in their line. They have been doing business "at the old stand"



FIG 1.– MACHIN-ST'S HAND TAP.

for just fifty years, and have increased in reputation as they increased in age. It is probably entirely within the truth to say that "their goods can be found in every blacksmith shop in North and South America." They also have an extensive trade in Europe, and the Australian



FIG. 2.—BLACKSMITHS' STOCKS AND DIES.

colonies. By using first-class material, improved machinery, and workmen who have been born and bred in the business, their goods have naturally reached a high state of perfection, and as has been well said, "are never questioned as to quality, the name Holroyd & Co. branded on

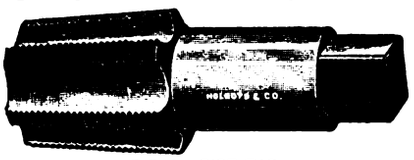
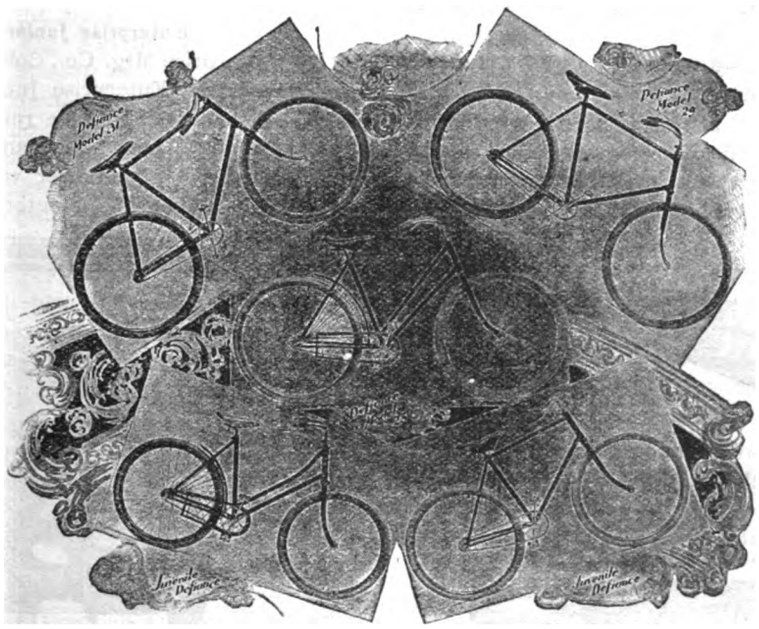


FIG. 3. PIPE TAP.

them being a sufficient guarantee." We are pleased to illustrate several of their specialties in this connection, and dealers who desire detailed information can obtain the same by addressing the makers at their home office.

Defiance Bicycles: Monarch Cycle Mfg. Co.'s Jobbing Line.

The Monarch Cycle Mfg. Co., with a view to making thier products as complete as possible, have put on the market for '96 a jobbing line of low priced wheels, which in point of construction and finish will easily take a leading position. Eight models of the line are shown, comprising 28-inch wheels in 1 and 1⅛-inch tubing, both diamond and drop frames, and also boys' and girls' machines in both 24 and 26-inch sizes. These wheels, even down to the little fellows, are built of seamless tubing only, which is a distinct departure from the ordinary method of construction employed on juvenile bicycles. Large hubs are also used, and a choice is given of either rubber or rat trap pedals. The finish, both as regards nickel and enamel, is thoroughly high grade, and is entirely in keeping with the appearance of the line, which is well named "Defiance." These wheels have already met with a most flattering reception from the trade, and the capacity of the factory is, and will be, heavily taxed to keep up with the demand for them.



The Indiana Wire Fence Co., Crawfordsville, Ind., have commenced the construction of a new building. An electric light plant will be operated therein.

Honeback Razor Strop.

E. C. Brooks, No. 19 Pearl Stret, Boston, is furnishing the trade with the Honeback Razor Strop, of which he says: "Is a new and perfect razor sharpener, the result of a series of experiments by the best expert in this line in the United States. Particular attention has been paid to the quality of this strop and examination of the workmanship and trial of the strop itself will fully demonstrate its claim to superiority. The rubber side is a quick sharpener and should be used sparingly, unless the razor is very dull. This side can be used with water same as a hone, and if it becomes dirty can be cleaned with clear water or soap and water. The use of a hone or any dressing whatever, is unnecessary with this strop."

The Bureau of the American Republics has advices from the Argentine Republic that the acreage of wheat sown for the coming crop is larger than that of last year; the maize and linseed crops are smaller. It is also learned that there was exported from the port of La Plata in the month of July 23,000 sheep, 3000 head of cattle, averaging respectively 143 and 1500 pounds each. Of the twenty-four steamers employed in their transportation, twenty cleared for British ports, two for Belgium, one for France and one for Brazil. A company has been incorporated in London with a capital of $250,000 which will acquire certain railways now under construction in the Republic of Salvador and others already built. It is reported that the arrangement made by this company with the government will practically extinguish the public debt of Salvador.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for Jas. McLaren, of Brooklyn, N. Y., a new iron building to cover his stoneyard. The yard is 70 feet in width and 120 feet in length, and the building covers the entire yard, and is arranged to carry a traveling crane of 15 tons capacity, so that stone can be moved to any part of the yard by power, making it one of the most complete stone cutting yards in this vicinity.

One of the latest inventions in connection with the electric light is a silent cab call. Several clubs and hotels in London have already been supplied with this useful commodity. Two lamps are suspended outside the building, one red and the other green, and by pressing a knob in the entrance hall one or other of the lamps can be lit at will. The red light calls a four-wheeler, and the green a hansom.

The Joseph Dixon Crucible Co.'s calendar card for November carries a delightful bit of suburban scenery, with a serenade annex, and a quotation from Hood. It also makes a pertinent suggestion as to the value of the American Graphite pencils.

Robert Ohnmeiss, agricultural implements and general Hardware, Egg Harbor City, N. J., October 14, 1895: HARDWARE Publishing Co.: Enclosed find check $1 subscription for HARDWARE, 1896. Excuse delay; had overlooked, and should not like to be without HARDWARE, especially at this time, when prices are changing almost daily. It is a great help to the retailer in the country.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

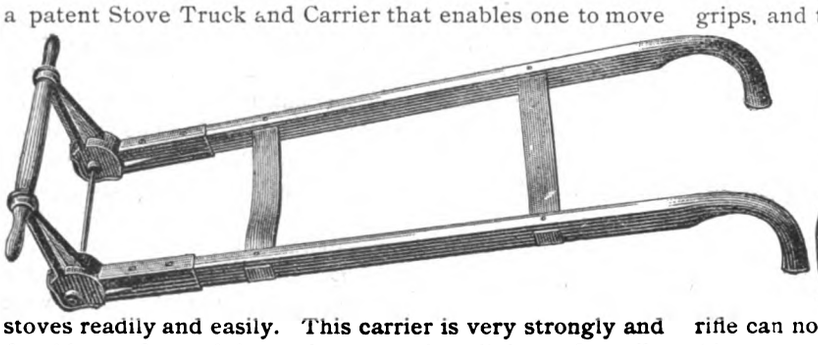
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Mersick's Stove Truck and Carrier.

C. S. Mersick & Co., New Haven, Conn., offer the trade a patent Stove Truck and Carrier that enables one to move



stoves readily and easily. This carrier is very strongly and durably made, and is at the same time light and easily operated. The construction is such that only a minimum of force need be exerted for wheeling the stove from place to place. One particular advantage which the manufacturers call attention to is that the stove can be placed on the truck and the truck, stove and all can be put into dealers' wagon and delivered without its being removed from the truck.

Steel Snow Shovel.

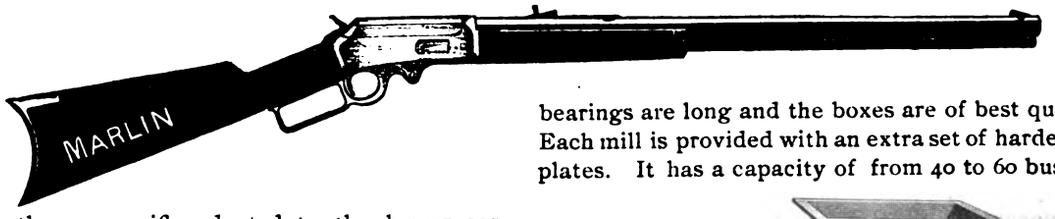
F. E. Kohler & Co., Canton, Ohio, are offering the trade a Steel Snow Shovel, illustration of which is given here. It is



made of 19 gauge sheet steel with a wooden handle, and is said to be light and strong. The edge rests flat upon the ground, thus preventing its catching on obstructions. It may also be used for grain, stable and other uses, and is so formed that one does not stoop in using it.

Marlin Rifle and Smokeless Cartridges.

The model 1895 Marlin Rifle, here shown, for large calibre cartridges will be ready for the market the first of November. The model 1895 rifle is identical with the model 1893,



being merely the same rifle adapted to the larger cartridges. In consequence the manufacturers feel there is no need of explanation as to system, strength and simplicity. The barrel steel is manufactured and guaranteed to the



government standard, while the steel used in receiver and breech bolt is manufactured and guaranteed to the same standard for these parts. They speak of this rifle as safe and strong, and have no hesitation in guaranteeing this to shoot safely and accurately the various smokeless powder cartridges made in these calibres. For the present it can only be furnished in the regular rifle with plain lock, but



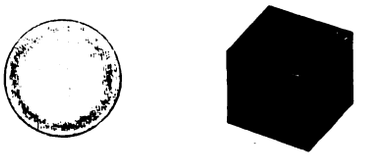
with all lengths and styles of barrels and magazines. Pistol grips, and the Take Down rifle will be ready shortly. The



rifle can now be furnished in the following calibres: .40-65 (the same as the old .40-60 Marlin), .40-82, .45-70 (taking the various .45 cartridges, including the .45-70-405 and .45-70-500 United States Government) and the .45-90. The standard rifle with 26-inch barrel will weigh but 8¼ pounds, while if a still lighter rifle is desired this can be obtained by purchasing the rifle with half octagon, 24 or 26-inch barrel, half-magazine and rubber shotgun butt, in which case the rifle will be from 7¼ to 8 pounds in weight.

Society Ballots.

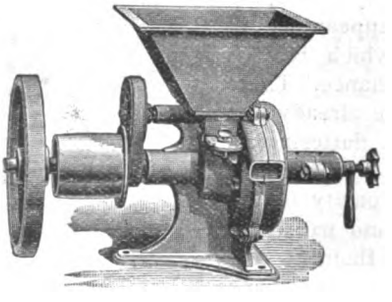
H. O. Canfield, Bridgeport, Conn., is introducing the Rubber Society Ballots shown here. They are simply



black cubes and white balls made of rubber, and designed to be used in club and society elections.

Enterprise Junior Feed Grinder.

The Enterprise Mfg. Co., Columbus, Ohio, are putting on the market the Enterprise Junior Feed Grinder as shown here. This mill should be run with an engine of 4 to 8 horse-power capacity, but can be run successfully with tread-power or horse-power with band jack. The band wheel is 5 inches in diameter, with a 5 inch face. The bearings are long and the boxes are of best quality babbitt. Each mill is provided with an extra set of hardened grinding plates. It has a capacity of from 40 to 60 bushels an hour



and grinds equally well cornmeal, chop or any kind of small grain, also cotton seed and slack coal for smokeless furnaces.

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A New Pocket Filter.

There has lately been placed upon the market by the B. F. Goodrich Co., Akron, Ohio, a new and handy little Pocket Filter that bids fair to a widespread popularity among bicycle riders, huntsmen, campers and sportsmen in general. It is described as a compact and convenient



article to carry, and from a sanitary standpoint needs no recommendation, as its use adds a degree of safety in drinking from springs and streams not even equalled by the tin can at the town pump. The filter consists of a hard-rubber mouthpiece, pliable soft-rubber tube, and a hard-rubber strainer containing a roll of fine meshed bolting-cloth through which the water is drawn.

Wrought Steel Sinks.

The Lalance & Grosjean Mfg. Co., No. 19 Cliff Street, New York, are just putting on the market an L. & G. Seamless Wrought Steel Sink of a novel and improved pattern, adapted for open plumbing. The special feature of this sink, of which illustrations are given herewith, is that three sides of the sink are provided with turned edges,

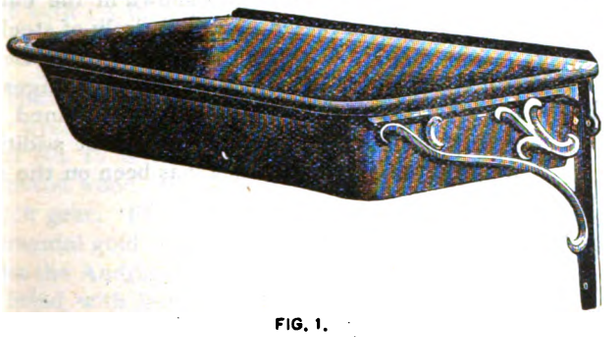


FIG. 1.

specially constructed brackets being used, upon which the sink is slipped, the slot being left open at the back in order to admit the entrance of the bracket. In Fig. 1 is shown the bracket arrangement, Fig. 2 giving a view of the interior. These sinks are pressed out of single sheets of steel, without seams or joints, and are rounded on the sides and corners, so that no dirt can collect in any part of them. Owing to the toughness of the material used—steel—it is claimed that the danger of breakage is reduced to a minimum, and their comparative lightness is a further recommendation, as freight charges are by this means very much reduced. The new sinks are finished either plain, painted or galvanized and also in blue, gray and crystal

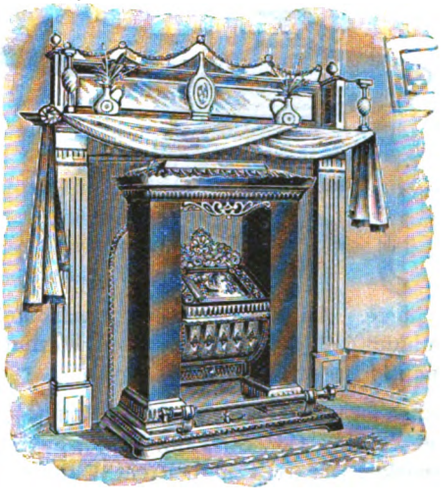


FIG. 2.

enameled ware. They are supplied in six sizes, from 16 inches wide by 24 inches long to 20 inches wide by 36 inches long, all being of the uniform depth of 6 inches. They are provided with the simplest and most approved style of couplings. It may be added that an interesting departure in connection with these sinks is the fact that the company's travelers are provided with miniature models of the article itself, which models they are enabled to show to the wholesale plumbers' supply houses and the leading master plumbers whom they visit.

The Triumph Regenerative Gas Heater.

The accompanying illustration represents the Triumph Regenerative Gas Heater which the Wilder Mfg. Co., Philadelphia, are putting on the market. The heater is of original design, and is claimed to embody principles which insure a healthful and effective heat, without odor of any kind and at the maximum of economy. The columns or upright portions seen at the sides of the heater are made of Russia sheet iron and are hollow. These columns rest on a nickeled cast iron base and are surmounted by a cast iron ornamented top, also nickeled. A heating chamber or fire bracket, similar in form to an open grate, is situated between the columns. The top of the heating chamber is adorned with a handsome art tile and is removable, so that a kettle of water may be boiled and irons or other articles heated when required. The front of the chamber carries mica panels and serves to illuminate the room in which the heater is placed. The burners are of the Bray pattern and are arranged in a row at the base of the chamber, throwing flames forward at an angle. Back of the flames is a curved reflector plate of cast iron with cells upon its back. Air for combustion passes into these cells and comes into contact with the heated surfaces of both the reflector and the cells



on its way to the burners. The amount of air necessary for proper combustion is regulated by openings formed in the back plate of the fire chamber. The course of the products of combustion is upward along the curved reflector to an opening between the upper part of the reflector and the front of the heating chamber, thence backward over the top of the reflector, and laterally into two separate flues in the iron columns. These flues extend upward sufficiently to give the draft required to bring in a current of cold air. The products of combustion pass out of the flue into the ascending current of cold air, thus increasing the movement by an injector action. The volume of air is checked in its upward motion by a perforated plate within the heater top and distributed equally over the area of the top, the check serving to complete the process of mingling the warm and cold air. As a result it is claimed that an active and constant circulation is set up, which equalizes the temperature of the air in a room where the heater is operated. This circulation, it is said, is evident from the fact that the air is taken close from the floor and discharged in an ascending current from the top of the heater. Another valuable feature of the heater is that its radiant heat from the front of the reflector back of the flames is reflected to the floor in front of the heater, giving a comfortable and pleasant heat, such as heretofore has only been obtainable from an open fire. Upon the base of the heater is a governor arranged so that the movement of a lever along an

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index plate regulates the flow of gas to the burners. This governor is volumetric, so that the flow of gas to the burners is not affected by changes of pressure in the gas supply. The governor is a recent modification of the well known volumetric governor patented by Mr. Wilder, president of the company, and used throughout the country in various forms.

Aluminum Chafing Dish.

The Illinois Pure Aluminum Co., Lemont, Ill., are constantly adding novelties to their large assortment of alum-



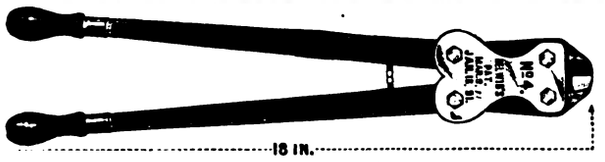
inum goods. Among their latest are the Chafing Dishes herewith illustrated. They are constructed with cast aluminum stands of artistic designs which is quite a departure from the usual built-up stand. The water bowl is a



separate piece. All the parts are handsomely finished, pure aluminum being exclusively used, so that the surface is permanently bright.

The Helwig Bolt and Rivet Clipper.

The Helwig Mfg. Co., St. Paul, Minn., have recently put on the market the Bolt and Rivet Clipper represented here. The tool is described as being made of the best



material throughout, with all parts interchangeable. It is recommended by the makers for its lightness, durability and power, and is said to be constructed in a thoroughly scientific manner. It is made in three sizes, to cut 5-16, 7-16 and 9-16 bolts.

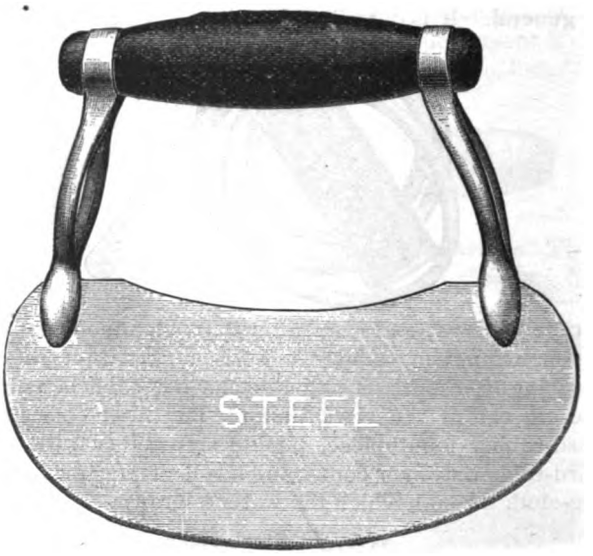
New Designs in Silver-Plated Ware.

The Wm. Rogers Mfg. Co., Hartford, Conn., have brought out several new designs in silver-plated ware. We illustrate a sample herewith. These have been manufactured more especially with reference to the needs of the Hardware trade, and can, we are informed, be furnished in complete lines of spoons, knives, forks and fancy pieces.



"Dandy" Mincing Knife.

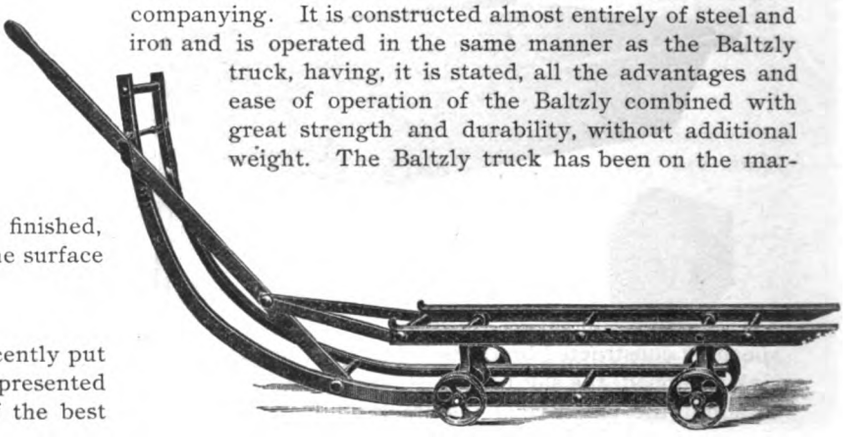
A. S. Henn & Co., New Haven, Conn., have placed on the market the "Dandy" Mincing Knife as shown here. It has tinned malleable iron supports, and is made to



hold the handle in such a way that it will not crack or come off. The blade is made of steel and the handle of enameled wood.

The Warner Steel Stove Truck.

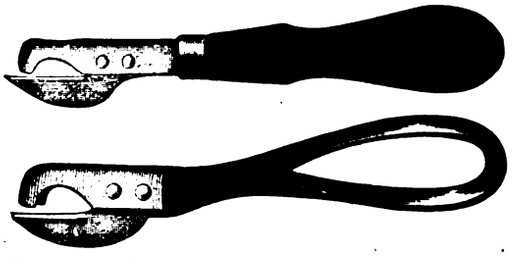
The Warner Hardware Co., Freeport, Ill., are placing on the market a metal Stove Truck as shown in the cut accompanying. It is constructed almost entirely of steel and iron and is operated in the same manner as the Baltzly truck, having, it is stated, all the advantages and ease of operation of the Baltzly combined with great strength and durability, without additional weight. The Baltzly truck has been on the mar-



ket for years, but was made largely of wood. The steel truck was designed as an improvement over the old form in the matter of strength and durability.

Sure Grip Can Opener.

A. S. Henn & Co., New Haven, Conn., are offering the trade a Can Opener in two styles as shown in the illustra-



tions. One style has a nickel-plated steel blade and is made with an iron handle; the other opener has an enameled wood handle, with nickel-plated malleable iron frame.

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Bicycle Announcements for 1896.

By the courtesy of O. J. Faxon & Co., Nos. 3, 5 and 7 Appleton Street, Boston, we are permitted to make an announcement concerning their output for 1896. They state that they will manufacture for the coming season six separate models of strictly high grade wheels, which, as they say, "are up to date and a little beyond; unequaled in construction, unapproached for beauty and finish, unsurpassed for durability and service." The Puritan will be designed in two models for ladies and gentlemen, and will be listed at $100, the weight running from 18 to 22 pounds. They will also manufacture another model known as the Hector, for both ladies and gentlemen, which is also strictly high grade, listing at $75, weight 21 to 23 pounds. Also two styles of tandems, Diamond and Combination or Drop Frame, weight 33 to 38 pounds. They state that their beautiful illustrated descriptive catalogue for 1896 will be mailed free of charge to all applicants. They add that their factory is fully equipped with first-class automatic machinery and a competent force of workmen, governed by a superintendent who is also a thoroughly practical bicycle expert and mechanic.

Julius Andrae & Sons Co., Milwaukee, inform us that, among others in their line they will make, the Andrae Light Roadster No. 14, which is fitted with 1½ inch M. & W. quick repair tires, laminated wood rims, light road saddle, Record rat-trap pedals, 66½ inch gear, ½ inch chain, 24 inch frame, curved and bent handle bars, cork handles with black tips. Frame enameled in dark olive green with ornamental gold stripes. The Lady Andrae No. 15 is fitted with 1½ inch M. & W. quick repair tires, laminated wood rims, ladies' saddle, Record rubber pedals, 60 inch gear, ½ inch chain, light wood guards over rear wheel and chain, up-turn handle bars. Frame enameled in dark olive green with ornamental gold stripes. The Andrae Racer No. 16 is fitted with 1½ inch M. & W. racing tires, laminated wood rims, ½ inch racing chain, racing saddle, 76 inch gear. Frame enameled in dark olive green with ornamental gold stripes.

Also the Andrae Tandem Model No. 18. Their Tandems are fitted with large tubing throughout. Main tubes 1¼ inch. Double ⅞ inch stays between crank brackets; all points correctly re-enforced. Eccentric front chain adjustment. Positive double steering is gotten by the new Andrae patent device. Brief—Model No. 17. M. & W. quick repair 1¼ inch tires, laminated wood rims, ladies' and gentlemen's saddles and pedals, 70 inch gear, front chain ½ inch, rear chain 5-16 inch, front handle bars up-turn, rear handle bars regular drop pattern. Brief—Model No. 18. M. & W. quick repair 1¼ inch tires, laminated wood rims, 70 inch gear, front chain ½ inch, rear chain 5-16 inch, light road saddles, handle bars regular drop pattern.

They further add that ball bearings are used in every part of the Andrae Cycles. They are of the finest tool steel procurable. The crank hanger bracket is of a large barrel pattern, and is fitted with ⅜ inch balls, the rear wheel has 5-16 inch balls, the front wheel has ¼ inch balls. The cones are of an improved pattern, insuring dust-proofing of the bearings.

The Warman-Schub Cycle House, No. 116 North Lincoln Street, Chicago, are announcing the W. S. C. H. Magnets for 1896. Among these are their No. 11, 25 inches deep, 28 inch wheels, with wood rims, tangent spokes, etc. The weight is 20 pounds, gear 72, the price $125. Their No. 12 is their Ladies' Double Front Tube Frame, the top tube forming a direct brace from the head to the seat-post tube, so that any jar on the front wheel is distributed all over the frame, leaving no weak point. Wheels 28 inch, gear 59, weight 22 pounds, price $125. Their No. 14 is the same style and outline as No. 11, but the frame and wheels are made heavier. The gear is 64, weight 25 pounds, price $125. Their No. 15, weight 26 pounds, $125; No. 16, weight 25 pounds, price $100; No. 17, weight 27 pounds, price $100; No. 22, weight 27 pounds, price $85; No. 23, weight 24 pounds, $65; No. 24, weight 23 pounds, price $50, are some of their other announcements for the coming year. The advance catalogue which has just been received, gives full details not only of these, but of a great many others and also of their Cataract Parcel Carrier Tricycle. Full discounts, prices, etc., will be furnished on application.

Have Tried the Automatic Seat.

The Automatic Cycle Seat Co., Grand Rapids, Mich., should certainly feel satisfied with the many testimonials they have received, a few of which we are permitted to quote herewith: T. A. Krangness, Sioux City, Iowa: "Having ridden your Automatic Saddle a few days I find it satisfactory. For those that sit up straight, as all should do, and for ladies, I cannot recommend a better saddle, as it relieves sensitive parts, which should be free from pressure." C. C. Ripley, Auditor and Cashier, Kansas City R. R. Co., Kansas City, Mo.: "I am very much pleased with my Cycle Seat. I find it more comfortable than any of the large number I have ridden, and free from pressure. It attracts much attention." I. C. Tabor, Independence, Iowa: "I like the way your saddle rides better than any other used, and I have tried several, having been a wheelman several years." W. B. Wirgman, New York, N. Y.: "Some weeks ago, on receipt of my saddle, I wrote you that I would tell you later what I thought of it. My first ride was fifty miles, and since then I have ridden it some four hundred more over all kinds of roads. I take great pleasure, now that I have tested the saddle, in saying that you have undoubtedly got the saddle of the future, as it is most comfortable, easy to mount and brings absolutely no pressure on any part of the person where it could do any injury. My only objection to it is that every one wants to try it, but as that is rather hard on my machine I now make them put it on their own."

National Convention Postponed.

The following circular letter to the trade explains itself:

To the Manufacturers of the United States: The following proposition has been adopted by the Executive Committee of the National Association of Manufacturers:

Whereas, Experience in organizing a constituency for the Convention of this Association, at Chicago, has developed a work of greater magnitude than was originally anticipated.

Whereas, The period in which this work of organization was undertaken, has been largely taken up in political matters; it is therefore

Resolved, That the time for holding the Annual Convention be postponed and fixed for Tuesday, January 21, 1896, at Chicago. Respectfully submitted,

Approved: E. P. WILSON, Secretary.

THOS. DOLAN, President.

Cincinnati, Ohio, November 7, 1895.

Recommended His Competitor.

The following suggestive bit of news is told as it was related to a HARDWARE reporter: A few days ago a prominent saddle maker, in mentioning the good points of his saddles to a large cycle manufacturer, from whom he was endeavoring to obtain a good order, called particular attention to the special efforts his house had been making to produce a saddle leather that would resist stretching as much as possible. Having gone over the ground very thoroughly, as a "clincher" he stated that the results obtained were nearly equal to the lasting qualities of the Hunt Special Top. It is a very frequent occurrence that rival manufacturers will deride and criticise each other's goods, but when one maker will actually recommend the production of a competitor in his own line there must be real merit to call forth the compliment.

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Recent Trade Publications.

Julius Andrae & Sons Co., Milwaukee, Wis., are sending their friends a fine line of bicycle literature, explaining the points of their manufacture for the coming season. As an explanatory preliminary, they say: "For some time past we have been using the name 'Sunbeam' on a portion of our bicycles. We find that another firm in the West used this name, without our knowledge, previous to the time we adopted it, and to avoid any misunderstanding in the conflicting of names, we have decided to drop this name and adopt the name 'Calumet' in its place. All bicycles that we have marketed as 'Sunbeams' heretofore will hereafter be known as 'Calumets.'" They have also favored us with advance sheets of their 1896 catalogue, which gives a brief description of their line for the coming year, together with a brief mechanical description of the machines. At the present they have under way a catalogue, which will be ready in December. This will be a distinct work of art, as they intend to made it an interesting addition to their previous efforts in that direction. They further say: "With our present equipment no concern is better placed to obtain the very best results in manufacturing high class goods, than ourselves. In ball-bearings we shall offer some distinctive new models, which, for practical use and accuracy, cannot be excelled. All of our ball-bearings are made in such a manner that they will be dust-proof and oil retaining. Axles can be removed from bearings without disturbing the balls. Front fork can be taken out of head in the same manner. We wish to make special mention of the accuracy with which all bearing parts are constructed, for we have bought the best machinery that the market affords, and in addition to this have built machinery ourselves with which we can obtain results that cannot be gotten from machinery that is bought in the open market. All bearing parts are made mathematically true, and will not vary a two-thousandth part of an inch." Among the machines they announce are the Andrae Light Roadster No. 14, $100; the Lady Andrae No. 15, $100; the Andrae Racer No. 16, $100; the Andrae Tandem No. 17, combination frame, $150; the Andrae Tandem No. 18, diamond frame, $150. They will be pleased to send full information upon application.

The Broderick Supply Co., No. 44 Rose Street, New York, have issued a catalogue and net price list of wheelwrights', blacksmiths' and horseshoers' supplies. It is very complete in these lines. They say: "We offer this complete list of our stock as a handy book of reference, valuable alike as a market report, and as a guide to the cost of material sold by us, entering into the construction of any work. The cuts were prepared especially for us and they will be found very useful in the selection of goods. All goods are warranted to be as represented in all cases, and as we manufacture a large part of the goods shown, we are in a position to give best quality for low prices. All goods sold under the brand 'Manhattan' are fully warranted to be of the highest grade."

"Cycling and Athletics" is the title of an artistic leaflet that has just come to hand. A subhead explains that it is "a description of Spalding's new store," which means that of the Spalding-Bidwell Co., Nos. 29, 31, 33 West Forty-second Street, New York, devoted to bicycles, athletic goods, cycle school and ladies' cycle and athletic clothing outfitting department.

The Marlin Fire Arms Co., New Haven, have issued a very handsome and attractive catalogue, showing their Marlin Safety Repeating rifles, repeating carbines, repeating muskets, double-action revolvers, everlasting shells, reloading tools, sights, etc. It contains over fifty pages, each one of which shows illustrations of their goods, with descriptions.

A Good Bicycle Saddle, Adapted for Long Runs.

The Mesinger Bicycle Saddle is one that shows great care and study in its design and construction. It is manufactured by Hulbert Bros. & Co., New York, and is the result of practical experience, as well as theoretical considerations. The makers inform us that "only one thousand saddles were manufactured during the first year to make sure that it virtually should be the best of its kind, but out of that thousand very few showed any opportunities for

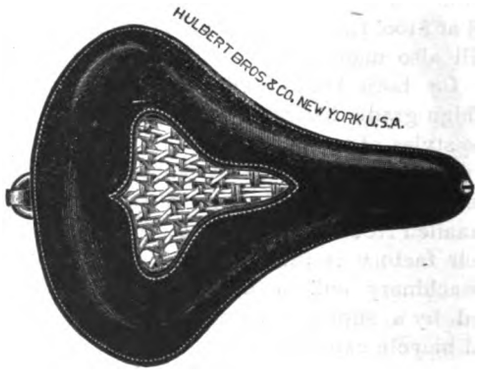


FIG. 1. TOP VIEW.

improvement in style, construction or finish." Recognizing the lasting qualities of cane or rattan from its extensive use for chair seats, the base of the saddle is made from this material, well and substantially woven, avoiding any angles in making the turn of the strip. This rattan base is covered with felt a quarter of an inch thick, to which is sewed a cover of leather one-sixteenth of an inch thick. This combination of felt and leather makes the saddle soft in front, so necessary to health. The long V-shaped hole being cut through both the felt and leather, gives perfect ventilation and does away with all injurious effects. The rear cantle is made of the best second-growth hickory, giving lightness combined with strength. "The rattan will not allow sagging, and is more durable than any other material

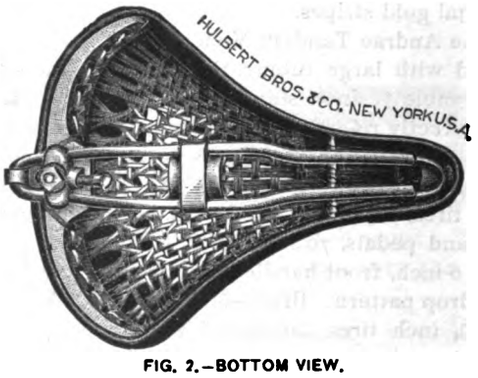


FIG. 2.—BOTTOM VIEW.

known for the purpose. The general appearance is one of comfort and neatness. The covering of leather and felt being laced to the cantle, with a braid to match the leather top, is very natty and handsome. The lightest weight saddle weighs but ten ounces and is particularly adapted for long tours and century runs, as the seat is just as large and comfortable as a heavier saddle, the difference in weight being entirely due to the fact that a wooden spring is used in place of a metal one, as on the regular roadster saddle of this style."

The saddles retail for $4 and are made in russet and black finish.

A. F. Shapleigh, Jr., of the Shapleigh Hardware Co., St. Louis, has just been elected president of the St. Louis Cycle Board of Trade.

The McRae & Roberts Co., manufacturers of steam brass goods, Detroit, Mich., will build a new factory, which is to cost $30,000.

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THE NATIONAL HARDWARE ASSOCIATION.

Pittsburg was the scene of the second annual meeting of the National Hardware Association of the United States, and many of the delegates and committees gathered there as early as Monday the 18th, at headquarters at the Monongahela House. The committee busied themselves in making all preliminary arrangements. On Monday evening the visitors, under the guidance of George T. Oliver, F. L. Clark and other representative Pittsburg manufacturers, visited the Phipps Conservatory and Carnegie Library. Tuesday evening was spent by the members at the hotel in making acquaintances and in relating anecdotes and reciting reminiscences.

The opening session of the convention took place in the banquet hall of the Monongahela House on Wednesday morning. President Supplee called the meeting to order, and a motion was then made that the manufacturers in the city be invited to attend the session. Objection was made to this by one of the members who stated that he feared it would be establishing a bad precedent for the future.

Mr. Bindley, of Pittsburg, argued that that inasmuch as the morning session was an open one to which newspaper men were admitted, he thought it perfectly proper to invite the manufacturers. The motion was sustained, and the chair appointed Messrs. McIntosh, Bindley and Bigelow a committee to invite the manufacturers. They retired, and soon returned with several prominent manufacturers.

Business was suspended until the committee returned. After singing the National Hymn the roll of delegates was called by Secretary-treasurer T. James Fernley. The following list gives the names of the jobbing houses represented and the names of the gentlemen representing them:

Lockwood-Taylor Hardware Co., Cleveland, Ohio.
C. B. Lockwood, J. Q. Riddle, J. C. Henry, Arthur Riddle.

McIntosh-Huntington Co., Cleveland, Ohio.
Wm. H. Coles, H. H. Bishop, George T. McIntosh.

W. Bingham Co., Cleveland, Ohio.
H. S. Blossom, George W. Avery.

George Worthington Co., Cleveland, Ohio.
George Deming, W. D. Taylor, C. A. Jewett.

W. B. Belknap & Co., Louisville, Ky.
Morris B. Belknap.

H. W. Luetkemeyer & Sons, Cleveland, Ohio.
E. H. Luetkemeyer.

Stauffer, Eshleman & Co., New Orleans, La.
Walter R. Stauffer, Chauncey W. Stone.

Supplee Hardware Co., Philadelphia, Pa.
William W. Supplee, W. D. Supplee.

Bigelow & Dowse Co., Boston, Mass.
Samuel A. Bigelow.

King Hardware Co., Atlanta, Ga.
W. E. Newill.

Howell Gano & Co., Cincinnati, Ohio.
Jacob W. Gano.

Morley Bros., Saginaw, Mich.
E. W. Morley, A. H. Morley, T. A. Harvey.

Johnson Bros. Hardware Co., Cincinnati, Ohio.
W. C. Johnson.

Kruse & Bahlmann Hardware Co., Cincinnati, Ohio.
Herman Bahlmann.

Weed & Co., Buffalo, N. Y.
Hobart Weed, E. C. Neal.

Shields & Bro., Philadelphia, Pa.
John R. Griffith.

Ott Bros. & Co., Wheeling, W. Va.
M. L. Ott, W. P. Heiskell.

Bindley Hardware Co., Pittsburg, Pa.
John Bindley, Edwin Bindley, W. C. Reitz, W. H. Cochrane.

C. M. McClung & Co., Knoxville, Tenn.

Logan, Gregg & Co., Pittsburg, Pa.
George B. Logan, Thomas A. Parke, Robert M. Repp.

Bostwick-Braun Co., Toledo, Ohio.
George A. Braun.

Stollberg & Clapp Co., Toledo, Ohio.
John Stollberg.

George Brown, Knoxville, Tenn.
John S. Brown.

Weaver, Palmer & Richmond, Rochester, N. Y.
Griff D. Palmer, Lee Richmond.

Wright, Dana & Co., Utica, N. Y.
George S. Dana.

Irving D. Booth, Elmira, N. Y.
Irving D. Booth.

Houghton, Clark & Co., Portland, Me.

Richards & Conover Hardware Co., Kansas City, Mo.
John Conover.

Gille Hardware & Iron Co., Kansas City, Mo.
Jamas Van Peyma.

Drake Hardware Co., Burlington, Iowa.
Charles E. Otto.

Holley, Mason, Marks & Co., Spokane, Wash.
F. H. Mason.

Brown & Wales, Boston, Mass.
William Q. Wales.

J. H. Fall & Co., Nashville, Tenn.
J. H. Fall.

Fletcher Hardware Co., Detroit, Mich.
Charles T. Fletcher.

Fones Bros. Hardware Co., Little Rock, Ark.
Daniel G. Fones,

Lee-Clarke-Andreesen Hardware Co., Omaha, Neb.
W. M. Glass.

Frye, Phipps & Co., Boston, Mass.
Albert W. Wiley.

Van Camp Hardware & Iron Co., Indianapolis, Ind.
Cortland Van Camp.

Russell & Erwin Mfg. Co., New York City, N. Y.
William G. Smythe.

Dunham, Carrigan & Hayden Co., San Francisco, Cal.
Brace Hayden.

James C. Lindsay Hardware Co., Pittsburg, Pa.
Thomas McMurray, John S. Lindsay, A. J. Bihler.

Marshall-Wells Hardware Co., Duluth, Minn.
A. M. Marshall.

Albany Hardware & Iron Co., Albany, N. Y.
Charles H. Turner, W. B. Wackerhagen.

C. W. Hackett Hardware Co., St. Paul, Minn.
C. W. Hackett.

Emery-Waterhouse Co., Portland, Me.
W. Chamberlain.

Seltzer-Klahr Hardware Co., Philadelphia, Pa.
S. S. Scott.

Janney, Semple & Co., Minneapolis, Minn.
Horace M. Hill.

Rice, Born & Co., Limited, New Orleans, La.
Phil R. Rice.

Knapp & Spalding Co., Sioux City, Iowa.
Clarence A. Knapp.

W. W. Woodruff & Co., Knoxville, Tenn.
W. W. Woodruff.

Tabb & Jenkins Hardware Co., Baltimore, Md.
Charles T. Jenkins.

Moore & Handley Hardware Co., Birmingham, Ala.
James D. Moore.

Hildebrand Hardware Co., Indianapolis, Ind.
Philip M. Hildebrand.

Smith Bros. Hardware Co., Columbus, Ohio.
J. H. Smith.

Barker, Rose & Gray, Elmira, N. Y.
Frederick Barker.

Wyeth Hardware & Mfg. Co., St. Joseph, Mo.
Henry E. Hutchins.

Hamilton & Matthews, Rochester, N. Y.
James M. Boucher.

Burhans & Black Co., Syracuse, N. Y.
J. W. Black.

J. M. Warren & Co., Troy, N. Y.
Joseph J. Tillinghast, Frederick A. Leeds.

Standart Bros., Detroit, Mich.
Joseph G. Standart.

Freeman, Delamater & Co., Detroit, Mich.
D. C. Delamater.

Biddle Hardware Co., Philadelphia, Pa.
Charles M. Biddle, James H. Ritter.

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T. James Fernley,	Philadelphia, Pa.
John Alling & Co., John Alling.	Chicago, Ill.
John Pritzlaff Hardware Co., Fred C. Pritzlaff.	Milwaukee, Wis.
Wm. Frankfurth Hardware Co., Frank S. Rost.	Milwaukee, Wis.
Farwell, Ozmun, Kirk & Co., Freeman P. Strong, Charles H. Bigelow, Jr.	St. Paul, Minn.
Carlin & Fulton, George L. Irvin.	Baltimore, Md.
Foster, Stevens & Co., Sidney F. Stevens.	Grand Rapids, Mich.
Buhl Sons & Co., T. D. Buhl.	Detroit, Mich.
Kilbourne-Jones Co., Edward B. Kurtz.	Columbus, Ohio.
Eldridge, Winnek & Irving, Clarence S. Eldridge.	Boston, Mass.
Sickels, Preston & Nutting Co., James R. Nutting.	Davenport, Iowa.
Clark, Quien & Morse, Frank E. Smith.	Peoria, Ill.
A. Baldwin & Co., Limited, Rufus K. Hireman.	New Orleans, La.

In the neighborhood of a hundred firms were represented, coming from the East, the West and the South. A synopsis of the meeting held in Cleveland was then read by the secretary. President Supplee next called Samuel A. Bigelow, of Boston, to the chair, and then delivered his annual address. He said the Hardware trade previous to the organizing of the association had been greatly demoralized, and that the object of the association was to build up trade, to enable the Hardware merchants connected with the association to assist and co-operate with each other; to devise means for the betterment of their mutual interests, and to establish the very best relations with the manufacturers. He said the advancement of the association and the interest taken by the Hardware merchants throughout the country is very encouraging. The total enrollment in December of last year was only 28, while the roll book now bears the names of 112 prominent firms from all parts of the country, as far east as Boston and west as far as San Francisco.

On motion of Mr. Bindley the president's report was adopted. The report of the secretary and treasurer, T. James Fernley, was then called for by the president. He picked up a bundle of documents so large that he could scarcely hold them in one hand. He was about to read them when he was interrupted by a ripple of laughter, and Mr. Bindley moved an adjournment. The secretary, with stolid face, however, proceeded to read. His report, though somewhat voluminous, was very humorous, and there were several laughable incidents during the reading. The secretary stated that the reason he had such an enormous stock of papers was that he had received many letters from members, one member alone having written him 119 letters containing 37,000 words, during the past nine months. During his term of office he said he had received 24,000 letters, with a total of 4,453,450 words. From the president alone he received six letters, with a total of 917,000 words, and had sent out to members of the association over 9000 stamped envelopes.

The "secretary-hyphen-treasurer," as he styled himself, was interrupted on one occasion by a delegate from Philadelphia, who begged leave to remind him that Webster says there are only 24,000 words in the English language. The "secretary-hyphen-treasurer" afterward used a few Latin terms, with the remark to the member that the terms he was using were not English. He next read the treasurer's report, which showed that the association was on a good financial footing, having plenty of assets and no liabilities.

The committee on grievances had no report to make. The meeting was then adjourned uutil two o'clock, the convention then going into executive session, when the executive committee's report and other matters were taken up.

The outdoor programme for the convention was well gotten up, and included an informal reception at the Monongahela House, on Wednesday, November 20th, at 8 o'clock P. M.; a banquet at the same house and at the same hour on Thursday, November 21st, and on Friday, the 22d, an excursion on the steamer Elizabeth up the Monongahela River, leaving the landing near the Monongahela House at 12.45 P. M., visiting the works of the Oliver Wire Co., Pennsylvania Tube Works, the Homestead Works of the Carnegie Steel Co. and the works of the Consolidated Steel & Wire Co. Luncheon was served on board.

Nothing but the warmest praise could be given to the manufacturers of Pittsburg for the generous entertainment tendered by them to the visiting Hardwaremen in the shape of the banquet on Thursday evening and the excursion up the Monongahela River on Friday. The various entertainments were given wholly by the Pittsburg manufacturers without outside assistance. The following gives the names of the committee of arrangements and the reception committee:

COMMITTEE OF ARRANGEMENTS.

John W. Hubbard, Chairman.

Geo. T. Oliver,	W. S. McKinney,
Alan W. Wood,	F. L. Clark,
Francis J. Torrance,	Stephen W. Tener, Secy.

RECEPTION COMMITTEE.

Gen. Chas. L. Fitzhugh, Chairman.

Geo. G. McMurtry,	Richard G. Wood
Wallace H. Rowe,	H. S. Paul,
Chas. L. Gilpin,	Wm. H. Hays,
C. C. Briggs,	C. L. Umbstaetter,
W. B. Rhodes,	C. A. Painter,
Glendy S. Graham,	Philip Mathes,
Geo. V. Willson,	Edward P. Logan,
W. C. Cronemeyer,	T. Howe Childs,
Jos. R. Dilworth,	F. B. Smith,
S. Severance, Jr.,	J. H. McCutcheon,
Robt. Garland,	Thos. Neely,
Thos. W. Smith,	Jos. L. Cooper.

The souvenir programme of the outdoor entertainment contained a description of the works visited, and under the caption of "Everything From a Needle to an Anchor," gave an account of the industries of Pittsburg.

INFORMAL RECEPTION.

The scene in the lobby of the Monongahela House Wednesday evening, on the occasion of the informal reception, was an animated one. At the request of Mr. Fernley the gentlemen adjourned to the banquet hall, where the manufacturers of Pittsburg were made acquainted with the visiting jobbers. The meeting afterwards resolved itself into a meeting of the National Hardware Association, and the manufacturers of Pittsburg were invited to give opinions as to the relations of the manufacturers to the jobbers. The Pittsburgers were a trifle diffident, so Mr. C. S. Van Wagoner, of the Van Wagoner & Williams Hardware Co., Cleveland, started the ball rolling. Charles Landers, of Landers, Frary & Clark; James D. Foot, of Kearney & Foot Hardware Co., New York; William H. Hayes, of the Iron City Tool Works; Hon. C. B. Lockwood, of the Lockwood-Taylor Hardware Co., and others made short speeches. At the opening of the meeting those present joined in singing the National Hymn, and at the close many remained, and, led by the nightingale of Philadelphia, T. James Fernley, blended their voices in singing "Old Folks At Home," "My Old Kentucky Home" and "The Band Played On."

ASSOCIATION MEETING.

At the executive session on Thursday morning James H. Ritter read a paper on the "Relations Between Jobbers and Manufacturers."

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THE BANQUET.

The invitations to the banquet read as follows: "The Pittsburg manufacturers invite you to dine with them Thursday evening, November twenty-first, Eighteen Hundred and ninety-five, at eight o'clock, Monongahela House." Committee: John W. Hubbard, chairman; F. F. Clark, George T. Oliver, Stephen W. Tener, secretary; W. S. McKinney, Francis J. Torrance and Alan W. Wood.

The banquet was given in the dining-room of the Monongahela House. The guests assembled at eight o'clock, and filed in two by two, each being provided with a diagram of the arrangement of the tables rendering it easy for the guest to find the seat assigned him. The tables were gorgeously decorated with enormous chrysanthemums, and a string orchestra behind a screen of palms discoursed sweet melodies at intervals during the dinner. At the plate of each guest was found a handsome souvenir menu, bearing on the cover the words: "Banquet Tendered the National Hardware Association of U. S., by the Pittsburg Manufacturers, Nov. 21st, 1895." The back was represented as being fastened with a pair of hinges and the front edges bore a hasp, which was fastened by a small gilt padlock. In the centre of the back cover an anvil was represented, on which was pictured the waterways of Pittsburg. The menu was an appetizing one, and is here given:

GUEST TABLE.

S. W. Tener. Frederic Barker. Alan W. Wood. Samuel A. Bigelow. George T. Oliver. Hon. John Dalzell. John Alling. Wm. Metcalf, Chairman; John W. Hubbard. Wm. W. Supplee. Hon. Wm. A. Stone. Francis J. Torrance. F. C. Pritzlaff. F. L. Clark. H. H. Bishop. W. S. McKinney. T. James Fernley.

MENU.

Blue Points. Celery.
Clear Green Turtle. Sherry.
Olives. Pickles. Salted Almonds.
Broiled Spanish Mackerel, Maitre d'Hotel.
Potatoes, Parisienne. Claret.
Roast Pheasant, Current Jelly.
Champagne Punch.
Braised Quail, Sur Canape.
Saratoga Chips. Champagne.
Macedoine Salad. Ice Cream, in Forms.
Assorted Cakes. Selected Fruit.
Roquefort Cheese. Toasted Crackers.
Coffee. Creme de Menthe.

The order of toasts was also given, as was the diagram of the tables and the names of the guests seated.

TOASTS.

Mr. William Metcalf, Toastmaster.

1. OUR GUESTS, - - - - - - George T. Oliver.
2. RESPONSE, - - - - - - William W. Supplee
3. OUR WATERWAYS, - - - - Hon. William A. Stone.
4. QUARTETTE, - - - - - - - - Selected.
Hobart Weed, F. P. Strong, T. James Fernley, John Stollberg.
5. FRATERNAL RELATIONS, - - - - - H. H. Bishop.
6. "PITTSBURG," - - - - - - - Hon. John Dalzell.
7. SOLO, - - - - - - - - - T. James Fernley.

THOSE WHO WERE THERE.

The full list of guests who sat down the feast is as follows:

TABLE A.

James B. Oliver, Oliver Iron & Steel Co. John Lambert, Consolidated Steel and Wire Co. John Conover, Richards & Conover Hardware Co. Frank S. Rost, Wm. Frankfurth Hardware Co. Glendy S. Graham; Brittan, Graham & Mathes Co. W. K. Ross, Iron City Tool Works. Clarence A. Knapp, Knapp & Spaulding Co. Wm. H. Hays, Iron City Tool Works. W. Chamberlain; Emery Waterhouse & Co. Jos. G. Standart; Standart Bros. Chas. G. Zug. Zug & Co., Ltd. Thos. D. Wood, W. Dewees Wood Co.

TABLE B.

W. H. Cochrane; Bindley Hardware Co. J. W. Black; Burhans & Black Co. V. Preston, Apollo Iron & Steel Co. Frank B. Smith, LaBelle Steel Works. J. C. Henry, Lockwood-Taylor Hardware Co. James H. Boucher; Hamilton & Mathews. W. C. Klein; Klein-Logan Co. C. E. Corbett, Penna. Tube Works. James R. Nutting; Sickles, Preston & Nutting Co. Chas. T. Jenkins; Tabb & Jenkins Hardware Co. George A. Chalfant; Spang, Chalfant & Co. Thos. B. Coles, Consolidated Steel & Wire Co.

TABLE C.

Thos. McMurray, J. C. Lindsay Hardware Co. W. M. Glass; Lee-Clarke-Andreesen Hardware Co. W. D. Corcoran; Howe, Brown & Co. Philip Mathes; Brittan, Graham & Mathes Co. W. B. Wackerhagen, Albany Hardware Iron Co. John S. Brown; George Brown. Jos. H. Martin; Hussey, Binns & Co. John W. Garland; Garland Chain Co. James H. Ritter; Biddle Hardware Co. George L. Irvin; Carlin & Fulton. Geo. M. Lovelock; Brittan, Graham & Mathes Co. Chas. F. Arrott, Standard Mfg. Co.

TABLE D.

J. P. McKinney, McKinney Mfg. Co. Daniel G. Fones, Fones Bros. Hardware Co. W. B. Moore, Apollo Iron & Steel Co. A. C. Anderson, J. C. Russell Shovel Co. E. H. Luetkemeyer, H. W. Luetkemeyer & Sons. J. H. Fall, J. H. Fall & Co. J. H. McCutcheon, Lindsay & McCutcheon. A. M. Pearson, Anderson, DuPoy & Co. W. C. Johnson, Johnson Bros. Hardware Co. Philip M. Hildebrand, Hildebrand Hardware Co. Hugh H. Davis, Duquesne Tube Works. Geo. F. Davis, Shoenberger Steel Co.

TABLE E.

Alex. R. Peacock, Carnegie Steel Co. Henry E. Hutchings, Wyeth Hardware & Mfg. Co. Jos. H. Grubb, Hussey, Binns & Co. C. L. Umbstaetter, Republic Iron Works. Clarence S. Eldridge, Eldridge, Winnek & Irving. Jos. J. Tillinghast, J. M. Warren & Co. James B. Strawbridge, Pittsburg Tin Plate Co. J. L. McCutcheon, Lindsay & McCutcheon. Chas. E. Otto, Drake Hardware Co. W. D. Taylor, George Worthington Co. D. S. Brookman, Wellsville Plate & Sheet Iron Co. H. B. Nicholson, Wellsville Plate & Sheet Iron Co.

TABLE F.

A. J. Bihier, J. C. Lindsay Hardware Co. W. D. Supplee, Supplee Hardware Co. Alfred E. Hunt, Pittsburg Reduction Co. Wm. P. Palmer, Carnegie Steel Co., Ltd. Cortland Van Camp, Van Camp Hardware & Iron Co. Morris B. Belknap, W. B. Belknap & Co. W. L. Hurd, Duquesne Tube Works. John C. Oliver, Monongahela Tin Plate Co. Arthur Riddle, Lockwood-Taylor Hardware Co. Rufus K. Hireman, A. Baldwin & Co., Ltd. Freeman P. Strong, Farwell, Ozmun, Kirk & Co. Henry B. Lupton, Oliver Wire Co.

TABLE G.

W. C. Reitz, Bindley Hardware Co. George W. Avery, W. Bingham Co. P. F. Smith, Wellsville Plate & Sheet Iron Co. Wallace P. Bache, Apollo Iron & Steel Co. T. D. Buhl, Buhl Sons & Co. John Stollberg, Stollberg & Clapp Co. W. C. Cronemeyer, U. S. Iron & Tin Plate Mfg. Co. Wallace H. Rowe, Consolidated Steel & Wire Co. James Van Peyma, Gille Hardware & Iron Co. Hobart Weed, Weed & Co. A. M. Byers, A. M. Byers & Co., Inc. W. W. Woodruff, W. W. Woodruff & Co.

TABLE H.

John S. Lindsay, J. C. Lindsay Hardware Co. Albert W.

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Wiley, Frye, Phipps & Co. Richard G. Wood, W. Dewees Wood Co. Arthur Brittan, Brittan, Graham & Mathes Co. Charles H. Bigelow, Jr., Farwell, Ozmun, Kirk & Co. E. W. Morley, Morley Bros. Thos. Neely, Marland, Neely & Co., Ltd. T. Howe Childs, Howe, Brown & Co. A. M. Marshall, Marshall-Wells Hardware Co. Phil R. Rice, Rice, Born & Co., Ltd. T. S. Clark, Wm. Clark's Sons & Co. Wm. Q. Wales, Brown & Wales.

TABLE I.

John Bindley, Bindley Hardware Co. Samuel Disston, Philadelphia, Pa. S. H. Chisholm, Cleveland, O. H. S. Blossom; W. Bingham Co. Joseph D. Weeks, Pittsburg, Pa. C. C. Briggs; Jones & McLaughlins, Ltd. Major A. W. Wills, Nashville, Tenn. Fayette R. Plumb, Philadelphia, Pa. W. Dewees Wood; W. Dewees Wood Co. C. S. Van Wagoner, Cleveland, O. C. W. Hackett; C. W. Hackett Hardware Co. Chas. W. Hubbard; Hubbard & Co.

TABLE J.

Thos. A. Parke; Logan, Gregg & Co. F. L. Blue, Cleveland. Brace Hayden; Dunham, Carrigan & Hayden Co. Chas. H. Turner, Albany Hardware & Iron Co. Chas. L. Gilpin; W. Dewees Wood Co. Joseph R. Dilworth; Dilworth, Porter & Co., Ltd. Chas. T. Fletcher; Fletcher Hardware Co. Horace M. Hill; Janney, Semple & Co. Thos. W. Smith; Oliver Iron & Steel Co. E. H. Utley; Carnegie Steel Co. Wm. G. Smythe; Russell & Erwin Mfg. Co. Jas. H. Park; Park Bros. & Co., Ltd.

TABLE K.

George B. Logan; Logan, Gregg & Co. Walter R. Stauffer; Stauffer, Eshleman & Co. George V. Wilson; Hussey, Binns & Co. T. G. McCutcheon; Lindsay & McCutcheon. W. E. Newill; King Hardware Co. George T. McIntosh, The McIntosh-Huntington Co. Robert Garland; Garland Chain Co. S. Severance, Jr.; S. Severance. George A. Braun; Bostwick-Braun Co. W. P. Heiskell; Ott Bros. & Co. E. P. Logan; Klein-Logan Co. W. H. Cassidy; Oliver Wire Co.

TABLE L.

Edwin Bindley; Bindley Hardware Co. George Deming; George Worthington Co. Joseph L. Cooper; J. C. Russell Shovel Co. Chas. H. Zug; Zug & Co., Ltd. F. H. Mason; Holley, Mason, Marks & Co. Sidney F. Stevens; Foster, Stevens & Co. Robt. J. McKay, James McDay & Co. W. L. King; Jones & Laughlins, Ltd. D. C. Delamater; Freeman, Delamater & Co. Irving D. Booth; Irving D. Booth. R. R. Quay; Monongahela Tin Plate Co. A. H. Morley; Morley Bros.

TABLE M.

Robert M. Repp; Logan, Gregg & Co. T. A. Harvey; Morley Bros. J. McK. Speer; Shoenberger Steel Co. J. T. Davis; Baker Chain & W. I. M. Co. Frank E. Smith; Clark, Quien & Morse. Chas. M. Biddle; Biddle Hardware Co. Thos. H. Thorn, Duquesne Tube Works. Henry M. Preston, National Lead & Oil Co. C. B. Lockwood; Lockwood-Taylor Hardware Co. Jacob W. Gano; H. Gano & Co. David B. Oliver; Oliver Iron & Steel Co. Thos. Walker, Pittsburg Wire Co.

TABLE N.

L. E. Hanson; McKinney Mfg. Co. J. Q. Riddle; Lockwood-Taylor Hardware Co. E. H. Geilfuss; Canonsburg Iron & Steel Co. T. G. Williams, U. S. Iron & Tin Plate Mfg. Co. C. Whitney Tillinghast, J. M. Warren & Co. Griff. D. Palmer; Weaver, Palmer & Richmond. F. W. Severance; S. Severance. Fred. Brack, La Belle Steel Works. C. A. Jewett; George Worthington Co. S. S. Scott, Seltzer-Klahr Hardware Co. Frank Illenberger. J. Painter & Sons Co. Chas. H. Reid; Zug & Co., Ltd.

TABLE O.

W. P. Beaver; Pittsburg Tin Plate Co. Homer J. Lindsay; Carnegie Steel Co., Ltd. Chauncey W. Stone; Stauffer, Eshleman & Co. W. A. Parker; Beck & Gregg Hardware Co. John A. Sutton; Park Bros. & Co., Ltd. John R. Hastings; Wm. Clark's Son & Co. J. H. Smith; Smith Bros. Hardware Co. E. C. Neal; Weed & Co. C. Evans; Oliver Wire Co. Chas. Bolles; Bolles & Wilde. Geo. S. Dana; Wright, Dana & Co. H. P. Bope; Carnegie Steel Co.

TABLE Q.

Richard R. Williams; The Iron Age. The Pittsburg Times. The Pittsburg Post. The Commercial Gazette, The Pittsburg Dispatch. R. H. Spurgeon; HARDWARE. Robt. A. Walker; The Iron Age.

TABLE R.

H. H. Niemann; Canonsburg Iron & Steel Co. R. T. J. Martin; Hubbard & Co. Wm. H. Coles; McIntosh-Huntington Co. J. D. Moore; Moore & Handley Hardware Co. C. V. McLean; U. S. Iron & Tin-Plate Mfg. Co. Lee Richmond; Weaver, Palmer & Richmond. John R. Griffith; Shields & Bro. E. B. Kurtz; Kilbourne-Jones Co. Chas. F. Nevin; T. H. Nevin & Co. W. L. Hirsch; Shoenberger Steel Co. Hermann Bahlmann; Kruse & Bahlmann Hardware Co. M. L. Ott; Ott Bros. & Co.

During the dinner a handsome souvenir in the shape of a sterling silver shovel with a gold-lined scoop, was distributed, with the compliments of Hussey, Binns & Co., of Pittsburg. When cigars and coffee were reached and everybody had settled themselves for an intellectual feast, Toastmaster William Metcalf, with a few well chosen words, presented George T. Oliver, the well-known Pittsburg manufacturer, who responded to the toast "Our Guests."

GEORGE T. OLIVER'S SPEECH.

I have often heard it said that "there's nothing like leather." In view of the developments of modern science and the multiplied requirements of modern life, it seems to me that this phrase should be paraphrased so as to read "there's nothing like iron." Of all the elements which nature has placed at the disposal of man, iron stands so pre-eminent in importance, that all others compared with it are as dwarfs to a giant. There is scarce one of them that man could not do without and still he is as happy as he was before; but who can contemplate our condition if we eliminate that great metal which nature conceals in so many corners of the earth, until man brings it forth from its hiding place to fashion it in forms of usefulness for the necessities of his fellow man? If we think but for a moment on the part which iron plays in the economy of modern civilization, and of the straights to which we would be reduced if it were eliminated from our daily life, we are driven irresistibly to the conclusion that civilization itself, as we understand it to-day, would be impossible without it. Its uses are so manifold, and indeed so manifest, that to attempt to enumerate them, or even to cite a few of the more important, would be as superfluous as to teach the new-born infant to breathe, or the thirsty man to drink water.

Within a circle of twenty miles of where you now sit is the most important and by far the most prolific theatre of iron manufacture in the United States, or perhaps in the whole world. Here we bring together the ore and the manganese, the coal, the coke and the limestone from the lakes, the far east, and from under our own hills, and fashion them for the uses of man into all forms and shapes of material, from the humble pots and pans of the housewife to those mighty armaments and engines of destruction which have rendered modern warfare so terrible, that the nations of Christendom stand aghast at its very contemplation. No matter what may be the aims and hopes of other communities as regards the future, the present existent supremacy of Pittsburg, not only as the centre of iron manufacture, but as the arbiter of the iron and steel markets, so far at least as America is concerned, stands unchallenged and unquestioned. And I may here say, that with all deference to the hopes of our ambitious sisters, whether on the lakes or on the sea, and with a full recognition of their many advantages, Allegheny county intends to maintain that supremacy, at all hazards and against all comers, as long as the grass grows green upon her hillsides and the waters of her twin rivers unite to form the Ohio.

It is a fitting thing, and pleasing to us, that your Association, composed as it is of the great active distributers of our various products throughout the length and breadth of the land, has chosen Pittsburg as the place of its meeting. It gives us an opportunity of showing you what we are and what we are doing. It enables us in a small way to testify our appreciation of favors conferred by many of you for years past, and perhaps to indulge in a little quiet planning

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for the continuance of like favors in years to come; and last and best of all, it permits us to take by the hand and become personally acquainted with many of our chief allies whose handwriting we know well, but whose faces we now see for the first time.

Men of Iron, we welcome you to the Iron City. You may not find it fair to look upon. If you want to feel comfortable you will probably be compelled to use soap and water oftener than you do at home. You will find our atmosphere murky, and the sun too often obscured by clouds of sooty smoke. But be patient with us. We don't like the smoke ourselves; it is one of our ancient institutions to which we do not "point with pride." We are making an earnest effort, with the aid of an enlightened public spirit and a liberal expenditure of money, to abolish, or at least mitigate it. If we succeed in this we will make of the good old Smoky City, of which we are infinitely proud, one of the most picturesque, as it is now one of the busiest, in all this busy land. In the meantime, however, we must not forget that the smoke which soils our hands and sours our tempers is but an index of our prosperity—the black flag which proclaims to us that hundreds of thousands of God's creatures are earning their daily bread. Behind our city's frowning mask you will see the hospitable faces of her people; and in behalf of that people, and of the city itself, with open hands and willing hearts we bid you a cordial welcome.

The next speaker introduced was William W. Supplee, the president of the National Hardware Association, who responded to Mr. Oliver as follows:

WILLIAM W. SUPPLEE'S SPEECH.

Mr. Chairman, gentlemen: I desire in behalf of the National Hardware Association of the United States to thank the manufacturers, who have so generously given this banquet, and for their extreme courtesy, generous liberality and great kindness extended to our members during their stay in your city.

In responding to this toast, I am not unmindful of the fact that nearly one hundred persons in this room have already heard quite a good deal from their president during the last two days.

One can become surfeited with the most delicious fruit, but when the fruit is served for consecutive days without a delicious flavor it may become unappetizing.

Mr. Oliver has referred to the great theatre of iron products in your districts. We have every reason to believe however, that the manufacturers of Pittsburg have no iron in their souls. I heard it stated once that the great Napoleon after his disastrous defeats, and being sent to St. Helena, stood upon that Island looking out upon the ocean and said that he had iron enough in his soul which if it could be eliminated, would supply the material for the largest manufacturer for a run of thirty days.

Some time ago when seated at a banquet, a neighboring guest remarked that after-dinner speeches were usually of two varieties, one amusing, and the other that which would soothe the hearers to sleep. I cannot expect to give you the first variety, and trust will not the latter.

There is an unwritten anecdote told of a distinguished general, I will not, however, be responsible for its authenticity. A banquet was to be given in his honor, and a gentleman who was to respond to a toast, not being familiar with military history, asked some of his friends to furnish him with some facts and incidents that would be appropriate. These he scattered through his speech, and sent the manuscript to the general for his approval, who returned it with the laconic reply: "Cut out all the old chestnuts, be brief and to the point."

About one year ago I was delegated to call with a friend upon a well known public speaker, having in advance notified him of our desire to secure him for an after-dinner speech at a banquet to be given about six weeks from that date. The gentleman referred to his memorandum book, then said he: "Nothing would give me more pleasure than to accept, but I fear it will not be possible. I see from my note book I am already booked for two other banquets, one in three weeks and the other in four weeks, and I have not yet begun any preparation for the last one."

When I called to mind the fact that this gentleman was not occupied more than a few hours each day, I thought if the present day Hardwareman was compelled to thus carefully make preparation, there would be no after-dinner speeches from that source. Owing to his multiplicity of duties his boutonniere, if prepared at all, is usually arranged while in transit on the cars, or if possible, an occasional stolen half hour after his arrival.

Ex-President Harrison once stated at a banquet in our city that all his life he had been compelled to compete with beautifully arranged remarks, which were brought forward at a banquet as impromptu effusions, or instantaneous boned turkey. Mr. Depew once stated nothing pleased him so much as to hear a man assuring his hearers he came wholly unprepared, but would give a few impromptu re-



WILLIAM W. SUPPLEE.

marks, when he knew the manuscript was already in the hands of the printers for the morning papers.

In reply to the toast "Our Guests," I feel like a fairly noted clergyman who once said: "The fact is, clergymen should be permitted to read their text after their sermon, then after his rambling remarks, if possessed of a good memory, he could always regulate the text to suit the sermon."

The National Hardware Association was founded one year ago upon equity, justice and liberality, with its object, "the promotion of more friendly business relations and mutual confidence and good will with each other and with manufacturers."

We advocate and strongly urge one point, at all which jobbers and manufacturers can safely and judiciously aim, namely, "A high standard of business methods." When this standard has been reached by both manufacturers and jobbers, most of the abuses in trade will already have been corrected.

We feel as jobbers, that the same fair return should be given for expenditure of strenth, energy and capital that the manufacturers themselves expect, and we feel that the jobbers are as essential and necessary in marketing the goods as the wage-earners are in manipulating the goods

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from the raw material. We further feel that when manufacturers have conceded this fact, the jobber on his part should maintain the manufacturers' established prices for an equal quantity of goods.

When the city of Pittsburg was selected for our present meeting we were conscious of the fact that we would here enter an atmosphere that has been breathed by the most powerful and worthy examples of the high standard we have emblazoned upon our banner.

Pittsburg has for many years stood pre-eminently high over the entire civilized world as a haven where artisans in almost all branches of trade might find employment, and where industry, diligence, energy and sobriety could always reap a correspondingly high reward, and a city where extreme poverty is never necessary.

My earliest impressions of Pittsburg are connected with my first visit to this place, when I was taken by a business friend to the top of a bluff on the opposite side of the river, and my feeling was one of awe and surprise. As far as the eye could reach volumes of smoke issued from industries, gigantic they appeared then. Stern wheel steamboats were



GEORGE T. OLIVER.

receiving freight of nails, iron and glass for distribution down the Ohio, and far up the Mississippi Rivers. And great as these industries appeared then, they now sink into comparative insignificance, and are completely overshadowed in comparison with those of to-day.

The banks of your river are now lined with manufacturing industries of enormous capacity and dimensions. Your splendid and stupendous achievements have reduced the cost of your products and erected a bulwark of strength against your former foreign competitors. And while in your home distribution you necessarily come in contact with contingent local competitors, your products reach all parts of this country. Of the ten or twelve million tons of pig iron that are likely to be produced during the present year one-fifth will be sent from your immediate and contiguous district. Your iron and steel products are stupendous, and doubtless one-third of the entire rolled shapes of iron and steel product must find buyers in your market, and probably two-thirds of the various kinds of glass produced, goes from your districts.

Many other goods here manufactured challenge competition of distant makers. Your mills turn out the rails that pave the way from one end of this vast continent to the other, and her engines are built for transporting your product. The enormous growth of your gigantic fortunes is an indication of early activity, indomitable energy and work. Your wealth has been proportionally shared with the wage earners in your employ, for statistics show that a large percentage of actual profits are distributed to wage earners, who have thus received a proportionate share of your accumulated wealth. In most cases with advance in the price of your products simultaneous advances have taken place in wages, and wage earners in your midst who have prudently expended their earnings have been able to provide homes for their families, or could have prudently laid aside their excess of wages for days of ill health and old age.

Not content with your natural advantages and facilities by rivers and rail, with your progressive business enterprise, you now have in view a connecting line of water communication between the great lakes and your city. The twenty-five to thirty millions of money required appears to be no barrier to your efforts to reach the Lake Superior mines, and your determination to find a further cheap outlet for your manufactured products.

You have liberally provided numerous hospitals where every care is taken for the relief and comfort of the inmates, who enter either from sickness, accident or injury, where they can receive better medical attention than they could possibly have in the average of their homes. Another is now being erected and is to be maintained from a bequest made by a deceased manufacturer, the name quite familiar to the Hardware trade of our country. A further monument of thrift, energy and liberality is your system of libraries. One magnificent public library quite recently opened and donated to your city by Mr. Carnegie, shows the liberal atmosphere which surrounds you.

In thus providing for the universal dissemination of knowledge and intellectual resources, you place within the reach of the masses in your city a blessing beyond estimate or calculation, and it is on the possession of these intelligent, intellectual and educational endowments that our national, industrial and individual future and prosperity mostly depend.

The dividends from these libraries will be in the distribution of knowledge, education, culture and science. These advantages will extend far into future generations, and the results will lessen uneasiness, intemperance, indolence and crime.

Mr. Carnegie is but one of the many examples where the joint struggle for existence and education develops this quality of character. Those dual efforts have produced some of our most prominent statesmen as well as some of the most wealthy men of our country.

Is it therefore any wonder, recognizing as we do, the great ability, indomitable energy and liberality of your manufacturers, we are proud of being your guests to-night?

The opportunity thus offered in our country is in striking contrast to those of our foreign neighbors. A noted American writes from abroad: "Nothing is so apt to confirm our belief in American institutions as a view first of the palaces, then of the hovels of the inferior class of some of the workmen."

This cannot be considered an exaggerated picture, for authority like the Hon. William E. Gladstone cannot be questioned. He stated a few years ago, although a disgrace it was a fact, that more than two-thirds of the workmen of England had nothing better to look forward to in their old age than the poorhouse.

We of Philadelphia, who love the old Liberty Bell so well, joined in the enthusiasm created by its triumphal march both west and south, and its tongue though now long silent, did proclaim liberty over all this land.

And our hearts should all beat with pride to feel there is

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no nation in the known world where advantages like ours are within the reach of the masses.

The speaker following was Congressman William A. Stone, of Pittsburg, who spoke in an able manner on "Our Waterways."

HON. WM. A. STONE'S SPEECH.

Gentlemen: I take it that any plan which reduces the cost of transportation of products from the place ot production to the place of consumption will be accepted by producers and consumers alike, and by none more readily than by this representative body of men whom I now have the honor to address.

Rapid fluctuations in prices are unhealthy to trade, and when they occur, the profits made by the few are more than offset by the losses to the many. These fluctuations in prices are frequently caused by lack of facility in transportation. The two means of transportation in this country are by water and rail, and when either fails, by drought or strikes, to perform its offices, and burdens the other with the freights of both, delays occur, and prices for transportation increase.

All freight may be divided into two classes, quick freight and slow freight. All quick freights, passengers, meats, farm products, etc., go naturally by rail; but slow freights, coal, ore, etc., naturally go by water. With quick freights the price of transportation is not so important as the speed with which they reach their destination, but with slow freights, the speed with which they reach their destination is not so important as the cheapness of cost of transportation.

But many of our great inland rivers, over which millions of dollars worth of freight pass annually, are only navigable at short intervals during the year. These inland rivers are our great national highways. They do not belong to corporations or individuals. They are the property of the whole people and have ever been under the jurisdiction and control of the Congress of the United States. No State should be burdened with the improvement of a river which flows through several States, but the cost of its improvement should be borne by the national government. Congress has recognized this obligation, and for many years has made appropriations for improving the navigation of our lakes, harbors and rivers.

This is right and proper, and is an obligation recognized by all nations. I find no fault with Congress in recognizing its duty in this regard, but I do find much fault with the system or plan which it has pursued. The general plan followed in the construction of a dam across a navigable river is to appropriate biennially about one-fifth or one-sixth of its estimated cost and string out its construction through a period of from ten to twelve years.

This work is done by the government itself through its civil engineers at an expenditure double its necessary cost, and consuming from five to six times the necessary time.

The Davis Island dam across the Ohio river a short distance below Pittsburg was over seven years in building. The Beaver dam at Beaver was not begun until long after the Davis Island dam was completed. They have been building at it five or six years, and it is not near done yet, and when we come to consider that, according to the estimate of the Government engineers, some sixty-eight dams are yet requisite to make the Ohio river navigable from its source to its mouth all the year, we are forced to the conclusion that the child has not yet been born that will live to see these dams all completed under the system now pursued.

The Monongahela river, which furnishes the Ohio more than half of its great commerce, is navigable from its mouth a distance of some eighty miles. That constant navigation is maintained by seven dams erected by a private corporation. Over four millions of tons of coal go out of the Monongahela river each year to Southern consumers at an annual cost in tolls of over $200,000. Our coal producers have begged Congress for years to condemn these dams and make this great river free, and yet Congress hesitates and excuses itself on the ground that it does not want to pay a private corporation for a franchise, when as a matter of fact it could acquire the whole seven dams by condemnation, franchises and all, cheaper than it could duplicate them. The franchise is there. The Supreme Court of the United States has declared it to be an element of damage, and our coal producers must pay it tribute until Congress comes to their relief. But Congress in its wisdom and great beneficence, desiring to do something for the Monongahela Valley, and having a keen and appetizing recollection of the very name Monongahela, went away up the river above the seven dams and built a dam. It has done no particular good. No coal passes through it, but Congress is great and good, and sympathizes with the toll-burdened producer of the Monongahela river.

I don't see any good reason why this Government should not be conducted on the same lines that a prudent business man would conduct his business. If a man going to build a house that would cost $2,000, should build $200 worth each year for ten years, this year the cellar wall, next year the



HON. WILLIAM A. STONE.

north wall, the next year the south wall, you would call him a lunatic. And yet the Government was twenty-three years building the Pittsburg post-office. It is nearly six years since the bill passed to build the Allegheny post-office. We are getting along finely. We have the cellar well up. We are in great luck. We expect to get the roof on in 1900. I mention these local matters because I am more familiar with them, but I know other localities have similar experiences to relate. I do not blame the engineers. They do the best they can for the public improvements with the appropriations doled out to them by Congress under this miserably wretched system. The blame is wholly with Congress. Has the time not come when Congress should have a lucid interval and go about this work intelligently, using ordinary common sense?

Where there is a great national highway like the Ohio river that ought to be made navigable all the year round, a river that stretches its course a thousand miles through the most productive and fertile country of the earth, Congress should take it up and finish it within the ordinary lifetime of a man. I would rather legislate for my children than for my grandchildren. Ascertain how many dams it will take to make the river navigable all the year round, and

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start them all at once. Don't set one man to build them, but let the contracts to the lowest responsible bidders and let the Government engineers watch the contractors and see that they do their work as agreed upon. Where a great river like the Monongahela is tied up with toll locks, strip it of these tolls by condemning all these dams in one proceeding and lift the burdens off the backs of the long suffering coal producers and coal consumers. The people of eleven or twelve States would be alike benefited and eased of their burdens by such a course, and every poor man of the South who cooks his rice with Monongahela coal and pays his mite of toll in its increased cost will give thanks.

And treat all other rivers equally deserving in the same way. Now is a good time to begin.

A certain gentleman from Indiana, whose name I will not mention, who for many years kept his place in Congress by convincing his constituents that the country would go into bankruptcy if he was not there to object to internal improvements will not be there to interfere in the Congress soon to assemble. This argues well for the present time to begin this crusade for large expenditures. It is estimated that it will take $45,000,000 to free the Monongahela river of her tolls and construct the necessary dams and locks to make the Ohio river navigable all the year round. Let that amount be appropriated at the rate of nine millions a year and let the work all be done by contract in five years instead of twenty years at half a million a year. I use these two rivers to illustrate my idea and would appropriate to all other deserving rivers improvements with the same liberality.

I believe that the time to improve a river and make it navigable is when the products and trade and commerce of the river and the country through which it runs demand it.

But it will be said that the River and Harbor bill in the last Congress only carried an appropriation of about $21-000,000, and that this plan pursued all over the country would make it a hundred millions. Very well, let it. I believe that the River and Harbor bill ought to carry one hundred millions, or so much as is necessary to make all of our rivers capable of navigation navigable all the year round during the next ten years.

But it will be said that the revenues of the country will not be sufficient to spare those large sums for internal improvements. I believe that, and I will further admit that it will not be advisable to try to raise by tariffs on imports sufficient revenue for this purpose. Whenever you put sufficient tariff upon any import to stop importation of the article you destroy the source of revenue from that import, and I doubt whether it would be possible to raise the revenue required for the internal improvements I have suggested by tariffs unless you resort to high tariffs upon necessaries of life not produced here, and this would be unwise or impolitic. Tariffs upon articles produced here and in competition with articles produced in foreign countries cannot go further than to equalize the difference between the cost of home production and the cost of foreign production without ceasing to be revenue producing.

We have now got to raise about $500,000,000 each year to support the present needs of the government, and as the additional expenditure which I have suggested would increase our expenditure probably by eighty millions we must look to some other source than the annual revenues, especially as the Supreme Court of the United States has declared an income tax to be unconstitutional and further taxation by internal revenue is impolitic.

I have a plan which I will suggest. I do not claim it to be perfect. I do not know that it will stand the test of criticism, and I will gladly exchange it for a better one. I suggest it here because if it has merit it is one that members of all political organizations can support. It at least has the merit of being non-partisan,

We paid to pensioners in cash for the fiscal year just closed $139,749,243.80. I would use all, or nearly all, of this immense sum for internal improvements, and pay our pensioners in 2 per cent. bonds in denominations of ten, twenty, fifty, one hundred, five hundred and one thousand dollars, redeemable at the pleasure of the government after seven years. I would keep this up until our internal improvements were all made, creating at once a sinking fund of at least ten millions a year, which should be continued until the bonds were all redeemed or other securities of the Government purchased or paid out of the sinking fund whole and held as a part of the sinking fund were equivalent to the issue of the 2 per cent. bonds. The pensions from now on will decrease each year, and likewise our bond issue with which they are paid, but we will be able to complete our internal improvements in the mean time and make all of our great rivers navigable the year round. Our lakes and harbors and necessary canals will be improved and constructed, our system of light-houses and coast defences will be perfected, and we will have what this country ought to have with its immense line of coast, the greatest, grandest navy in the world. Our securities would be funded at a lower rate of interest and our bonds would be in the pockets of our own people. I would treat this immense pension payment as a war debt, and let the next generation pay it, as we let them pay a portion of the rest of it. There would be no syndicate making immense profits out of our bonds, and no financial panics. They would go to the four corners of the land to the people through the soldiers, who, if they did not wish to keep them, could easily sell them at probably a small profit, for they should have the same faith and credit that any other bonds of the Government have as deposits to secure circulation, and for all purposes for which national bonds are used.

It would not be very long before the sinking fund put by each year would exceed the bonds issued, for we must remember that it is thirty years since the war closed, and the pension payment has reached its maximum under the present laws, and no one need fear a reckless plunging into a debt impossible of payment, for in no event could the outstanding bond issue equal the national debt at the close of the war.

I would not deliver to pensioners actual bonds, but certificates of like denominations for which bonds would be issued by the Treasury on presentation of certificates, with coupons attached, interest payable every six months, with provision that if the coupons were all paid before the redemption of the bond it could be exchanged at the Treasury for a new bond of like tenor with other coupons—but this is mere detail.

The idea is to treat the pensions as a war debt, and divide its burdens with those who shall come after us. The additional expenditures on lakes, harbors, canals and rivers would give labor to our people, a market for material and encourage and stimulate trade, commerce and thrift everywhere. The north, south, east and west would all feel it and be benefited by it, and the Government would keep pace with the enterprising people who live in it, and not be where it is to-day, behind every State and city in the land in enterprise and in its manner of doing business.

I make these suggestions here rather than in Congress, with the hope that public sentiment will crystalize and enforce Congress to large outlays for public improvement with this plan or some better plan of raising the money to defray their cost.

Any plan suggested will bring out others, sometimes better ones. Congress will do nothing new, will take no new departure except in obedience to public sentiment. It is the great national mirror in which public sentiment is reflected in the shape of legislation. Congress, if left to

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itself, would never originate anything or take any new departure. It would still carry the grist to mill with the stone in one end of the bag to balance the grain. But when public sentiment is aroused, as in the necessity for any new legislation, Congress is quick to recognize and obey it. It does seem to me that the time has come when we should take a new course with the improvements of our waterways and go about it in an intelligent, sensible, practical way, with an intention to make the improvements, and not continue to putter about our rivers in the fruitless way that we have been doing. If I have even succeeded in setting this large body of intelligent representative men to thinking I have been more than paid, for I well know that thinking here will beget thinking elsewhere, and grow; and when the people once get to thinking and talking about a matter they will soon find a way out of the difficulty.

Here is an evil or an error at least, admitted by all. I have suggested a remedy, not that I think it perfect, but it is the best I have, and with the hope that this or something better will grow out of it.

The next number on the list was to have been a quartette composed of Hobart Weed, F. P. Strong, T. James Fernley and John Stollberg, but the number was made general by the guests singing "My Country 'Tis of Thee."

H. H. Bishop, of Cleveland, next responded to the toast, "Fraternal Relations."

MR. H. H. BISHOP'S SPEECH.

Mr. Toastmaster and Gentlemen: I esteem it a great privilege to stand before you and address our hosts, the manufacturers of Pittsburg, upon the subject that has been chosen for me. It is a pleasure, also, to be in the city of Pittsburg and to accept the hospitalities of its manufacturers so generously tendered. A city that is the acknowledged centre of the iron and steel industries of this great country—a city that (according to the information contained in the beautiful pamphlet of entertainment which we have received from you) produces everything from a needle to an anchor, to which we are much indebted for the extension of our railway system, the construction of our bridges, the substantial features of the sky-scraping buildings, and many other articles in iron and steel which it would be tedious to mention. Among the items which are noted in this pamphlet we find it stated that natural gas is one of the products within a short distance of Pittsburg. It is unfortunate that we were not aware of this fact last evening when we endeavored to obtain some natural gas from the Pittsburg manufacturers. We bored for it with great assiduity, but struck only a dry hole. When, however, we continued these efforts farther down the river, we were more successful, and if there are any gentlemen here present who desire to find the real article in a natural gas well, I would recommend them to try in the neighborhood of Beaver Falls, and, to be more specific, to sink a well about where the office of the H. M. Meyers Mfg. Co. stands. You will certainly get a great flow, and one that will be profitable.

We must congratulate the manufacturers of Pittsburg upon the most substantial and pleasant entertainment that they have afforded us thus far, and which we know we have in prospect. They have done themselves proud, and it is a pleasure to us to acknowledge it. Feelings that have been engendered within our breasts by the most cordial reception that you have given us cannot fail to increase that fraternal regard for you which we have always felt. I might continue indefinitely in lauding the good things that you have in your city and the surrounding country; but it would not be germain to my subject, which is "Fraternal Relations."

The first authentic account that we have of such a relation is contained in a book with which it is presumed you are all familiar, and records the story of Cain and Abel; how, in a fit of anger, Cain killed his brother Abel. This is not a pleasant fraternal relation to contemplate; it is not the kind of relation that we wish to contemplate to-night. There comes to my mind another instance of which you have all, perhaps, heard—the method employed by our Hebrew brethren in disposing of their merchandise, is quite well known to all of us. If one price will not do, another will. You have all heard the story of the Jew who obtained a customer for a suit of clothing by asking him first to pay $15, and finally, after much bartering, diposing of it for $6. His customer was filled with curiosity to know how it was possible such an immense reduction in price could be made, being assured, of course, that the price at which the bargain was finally made was far below cost. The reply of the Jewish merchant indicates another kind of fraternal relations. He said: "This stock belongs to my brother-in-law, and I want to bust him up." We certainly cannot admire that kind of fraternal relation.

The much touching and pathetic example of an ideal fraternal relation may be instanced as that of those characters, Damon aud Pythias, who each stood ready to sacrifice his life for the benefit of his friend, if necessary. This ideal is so high that we cannot hope to reach it. But, gentlemen, we have in the ranks of the National Hardware Association two members who are not blood relations, and who are competitors in business, between whom the relations are almost as close and as nearly ideal. It would not be proper for me to give any names in this connection, but I will simply state that, since coming to this city, I have ascertained that we have two members whose affection for and confidence in each other is such that they each express the wish that in case that they should first be called away that his friend and competitor should act as executor. Gentlemen of the National Hardware Association, we have a most worthy example in these two members of ours as to the feeling that should exist between us. It is but a short time since our Association was formed; it is but a short time since many of us met each other on the first occasion, yet I feel proud to say that even with this short acquaintance we have learned to esteem and prize the friendship of our brethren in the Hardware trade, and that, as the years roll by, we shall come more nearly to that ideal state of friendliness and fraternal relations that we announce as one of the objects of our coming together. We made much progress in this direction at our first meeting held in Cleveland a year ago. We have made still more progress at the meeting just now under way. And I sincerely hope that before its termination it may come about that every man who has come here as a representative of the jobbing trade may become acquainted and learn to love every other one who is here on the same errand.

I believe, gentlemen, that we are building better than we know, that the effects of the friendship which we are now establishing, and the confidence in one another which we are fostering, must be far-reaching and effective in its results. It is a great thing for us to feel towards each other as though we were brothers, that we had a right to commend or find fault with one another, and that we were sure that the spirit existed that would enable us to thus find fault without giving offense, to enable us to live together in peace and happiness as no other courses can make possible. Aud now, gentlemen, manufacturers of Pittsburg, and in addressing you thus I mean to address all manufacturers of the United States, we sincerely hope that the example which we are striving to place before you may result in the establishment of better fraternal relations among yourselves. We desire to see you dwelling in peace and harmony. We desire to see you obtaining the proper recompense for the time, brains and capital which is necessary for the successful prosecution of your respective businesses. We do not lose sight of the fact that you have many difficulties to contend with in effecting such an organiza-

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tion, and it may not be possible that all manufacturers should be impressed in the same organization, but it is certainly possible that certain branches may ally themselves together for the purpose of accomplishing the same result that we are endeavoring to accomplish—to become acquainted with your competitors and those whom you consider, or have considered, your natural enemies. I believe that both manufacturers and merchants, as a rule, are men of honor, that they can be approached, that they can be led by their affections rather than driven by abuse. But, gentlemen, I wish to come even further than this. If you can establish an Association of this kind, or if you cannot, the National Hardware Association desires with all its heart to establish ideal fraternal relations with you. We are anxious to make you our friends. We are already yours. We can see many ways in which such friendship would be valuable to all. With your counsel and your advice, your experience and your ability, we can learn many things that are now entirely unknown to us. We may also say without egotism that it is possible for us to give you information in directions to which you have not heretofore turned your attention. We want to be close to you, we want admission to your councils, privilege to offer advice, and a reasonable consideration on your part of such advice. We desire on this occasion when we are gathered around the festal board at which you are the hosts and we the guests, to offer you the olive branch of peace. We do not come as enemies—we come as friends. Many of you were present this morning when the subject of the relations between manufacturers and jobbers was so ably treated by one of our members. We hope that this occasion may be the opening wedge for a closer approach to your affections. We have to thank you for the kindly suggestions that were tendered to us upon the occasion of that meeting. We desire particularly to thank that one of your members (he was not a Pittsburg man) who took upon himself that most unpleasant task of calling attention to our faults. We thank him, if possible, more heartily than those who simply commended us for our good deeds and did not point out our errors. Such a man always makes the strongest and best friend. It is not necessary for me to mention names in this connection.

The subject of fraternal relations is one so broad, so far-reaching, that it would be possible for those better accustomed to addressing an audience like this, to amplify it and extend it into many channels. It does not seem appropriate upon this occasion, however, that we should go into its more general features, and I, therefore, content myself with confining it to the relations between you as manufacturers and our Association as jobbers. We have offered you an opportunity to become our friends. Are you willing and ready to avail yourselves of it?

T. James Fernley then sang "Little Alabama Coon." When reaching the chorus he produced a real little coon, evoking great applause. The last toast "Pittsburg," was responded to by Congressman John Dalzell, of Pittsburg. Mr. Dalzell spoke with eloquence and force, carrying his audience, as it were, spell-bound.

SPEECH OF HON. JOHN DALZELL.

Our able and accomplished superintendent of the last census not long since gave emphasis to two important facts. One is that the municipal, industrial and commercial life of civilized nations has invariably centered in its great river or inland water cities. He cites for example the river cities of Loire, the Rhone, the Garonne and the Seine in France; the German towns of the Aller, the Elbe, the Rhine and the Baltic; and the magnificent aggregations of population, wealth and enterprise that, adorning the banks of the Clyde, the Tyne, the Severn, the Mersey and the Thames, contribute to Great Britain's contest for commercial supremacy. The other fact is that we have reached that stage of national growth which is most strongly marked by municipal and industrial development in harmony with this same law. A moment's thought will furnish the proof of this statement. Think of the valley of the Hudson with its multiplied and multiplying towns; think of our own great Pennsylvania city that on the banks of the great Delaware reaches out for more extensive commerce; follow the windings of the beautiful river that starts from our own city in its journey to the Gulf; think of the valleys of the Missouri and the Mississippi and of many other rivers I do not stop to mention; call to mind the cities that stud the shores of our great lakes; think of the splendid monuments of American pluck and enterprise that hold the key to the destinies, commercial, political, and social, of our great West and the Pacific slope.

But if our history of municipal advance has followed in the groove of an already established law of economic growth, it has outrun all the precedents that have gone before. The great cities of any other nation in the world are comparatively few in number. Ours are manifold. For the purpose of comparing figures as to indebtedness, the census selects a hundred American cities. There were in 1890 443 American cities having each a population of 8,000 or upward; within the preceding 10 years such cities had increased 100 per cent.

When we bear in mind that each of our cities draws sustenance from and gives sustenance to a more or less extended area of territory; when we think of their diversified industries, the wealth of their products, their contributions to commerce and their consequent creation and employment of continually increasing facilities for inter-communication by land and water, of the social and moral interests of their inhabitants; of their government, the stupendous importance of the cities of the country as factors in our civilization becomes apparent, and I might add appaling.

Of all these cities small and great, I know of none the history and character of which are fuller of instructive lessons, and certainly none that I can with propriety speak of in this presence than Pittsburg.

She furnishes a subject rich in suggestion from many and varying points of view. If I deal with it from a material standpoint, it will not be because there are not intellectual and moral aspects even more interesting. That community wherein a private citizen has founded, as Andrew Carnegie has, institutions devoted to science and the liberal arts, free to all the people at a cost of many millions and where other generous benefactors have moved in the same direction, need not be ashamed to boast of its claims to intellectal and moral eminence, nor need it entertain any fears of their disallowance.

And if, passing by these inviting themes, I should cast a look backward to the beginnings of our municipality, I fear I should be tempted to neglect the present for the allurements of a singularly romantic past.

There never has been a time since civilization unfurled its banner west of the Alleghenies when Pittsburg has not been a place of commanding importance. The unbounded ambition of Louis XIV. enlisted in the attempted conquest of a continent, here planted Fort Duquesne, and around its history clusters, in large part, the bloody story of the struggle of two European races for the lordship of the Mississippi valley. At a time only a little later Fort Pitt became worthy successor to Fort Duquesne in our colonial struggle for independence; and there is no spot in all the universe where the saving virtues that glorify humanity found more frequent exercise in the pioneer courage of the men and lofty heroism of the women, who mid savage forests and still more savage men blazed the path from barbarism to Christian light at the junction of these two rivers, now the peaceful carriers of our commerce to the sea. The contrast between the past and the present is startling.

The name of Braddock, from the standpoint of a century or more ago, suggests the stubborn old Englishman who

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led his troops to savage slaughter on the banks of the Monongahela. It suggests now the great Carnegie works, whose pillar of cloud by day and pillar of fire by night point the way in America's industrial march to the conquest of the world in manufactories. And so, did time permit, I might continue the significant contrast, for primitive forests and fighting men have given way to the rapidly growing city and the conquering arts of peace; but I leave the enticing path to follow in that which deals with practical affairs.

Pittsburg as legally bounded is no more the real Pittsburg than is the London of legal definition the real London that dominates England. All Allegheny county is Pittsburg, whether so denominated by law or not, and so in any consideration of this community's relations to the outside world, it must be considered.

Its relation to the nation is primarily that of a great manufacturing center, and as such it illustrates the highest and best development of our modern industrial system. There is nowhere else a richer field for the practical study of economic questions; but into that I must not wander, lest I be led into prolixity and possible controversy, and I would avoid both.

Wealth in manufacture demands two things, facility of supply and of distribution—raw material in other words, and transportation. I use the term raw material, of course, in its ordinary acceptation, not intending to discount the value of human labor. With respect to both, Pittsburg's advantages are great, and yet they might be made greater.

That, such as they are, they have been made the most of, is apparent from results.

Without stopping to give you figures, two things will be conceded, the diversity of our industries and the immensity of our product.

We are producers, among other things, of coal and coke, iron, steel, glass, in all its various forms, copper, silver, lead, brass and tin plate.

We make one-fifth of the iron and one-third of the steel of the United States.

We make one-half of the entire product of table glassware. A single firm, and it is only one of a number has the capacity to make 10,000,000 of square feet per annum of plate glass.

We have the largest cork factory in the world, and I believe one of the largest pickle establishments. We are large manufacturers of tobacco. The presence in our midst of an iron exchange, a coal exchange, grain, brewers and stock exchanges, point significantly to the variety and extent of our industries.

We send out on an average every year 100,000,000 of bushels of coal, or 4,000,000 of tons.

According to figures made some years ago, Pittsburg's local railroad tonnage reached in a single year the colossal aggregate of 18,000,000 tons. According to the census of 1890 the railroads centering, or in part tributary to Pittsburg, moved in the year preceding 74,500,000 of tons.

The same authority gives the total annual tonnage of the Ohio, Monongahela and Allegheny rivers as 11,500,000, and the men employed about 6,000.

No other city, large or small, on this continent, or any other, can make such a relative showing as this.

But the mere enumeration of the products of our industry will hardly convey any idea of their variety. It is necessary to stop and think of the multitudinous forms assumed in our manufactures. We make steel small as a needle, pliant as a Damascus blade, and ponderous as the armor that protects the cruiser that carries our flag and defends our national honor.

Pittsburg bridges span streams many and widely separated from each other.

Pittsburg electrical appliances keep abreast of the times in that marvelously advancing science.

Pittsburg locomotives are to be found not only in our own country, but in Central and South America, Asia and the islands of the sea, drawing trains equipped with Pittsburg couplers and Pittsburg air brakes.

But I am not attempting a catalogue. I mean only to be suggestive.

Consider now for a moment the raw materials of all these manufactures, the coal, coke, limestone, sand and a hundred things not now to be mentioned, and that these have to be conveyed here from the place of their production; consider that the manufactured product has to be carried to market, and you will appreciate the fact that Pittsburg's greatness in the present and Pittsburg's destiny in the future is to a very large extent a question of transportation facilities. It would matter little that we have here courageous capital, business tact and energy, machinery that testifies to the triumph of ingenuity, brawn and muscle, labor in abundance, if we had not the fuel and the ores at reasonable cost; and it would matter little that our store-houses were filled with finished products if the cost of carriage to market should put them beyond the reach of buyers.

Manufacturing supremacy means cheap freights from the mines to the furnace and from the factory to the mart; and by as much as you cheapen either or both, by so much do you add to the continuance of that supremacy.

Pittsburg's possibilities as to raw materials and as to markets for her finished products, as nature designed that they should be, who can measure them?

Our city lies in the very bed of a bituminous coal field containing 3,000 square miles more of coal than underlie all England. Gas and oil are all around us. Ore fields illimitable are not far off.

Take your map and trace the windings of the Ohio and Mississippi rivers, and you will find that in their journey to the sea they wash the banks of fourteen great States. And these States are the seat of future empire. Their possibilities as to population and production are immeasurable. It is calculated that you might place our entire population in the State of Texas, and that State would not be more densely populated than is Germany. Apply the rule to the great Ohio and Mississippi valleys, and whose imagination can grasp the commercial glories of the future? What a market is here for reciprocal trade!

And then, again, no careful student of affairs can doubt that the day is not far distant when reciprocity of trade shall open to us the markets of the great and growing republics of South and Central America. Nothing but a narrow and illiberal governmental policy can postpone the coming of the time when foreign flags shall testify to the presence at our wharves of foreign keels, bringing to us foreign merchandise in glad exchange for our own.

Hearken then to the conclusion of this whole matter. Pittsburg's place in the Nation is that of a city with interests of such national importance as to demand such national care as shall make real all the advantages that nature intended her to have. We need improved waterways, and we need new waterways. And in this respect government owes us a duty, for the reason that without its aid we cannot have them. Private capital may, and does, build railways. With lavish hand it has gridironed the continent; but railways cannot take the place of waterways, and private capital cannot safely touch our rivers. Under the most far-reaching and despotic power for the exercise of which our Federal Constitution provides the power to regulate commerce, the jurisdiction of the national government is, when exercised, exclusive and supreme over our waterways.

The possession of the power carries with it a responsibility for its wise exercise, and I know of no subject more worthy the favor of an enlightened statesmanship than such

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a system of internal improvements as would give to Pittsburg the place for which God and nature plainly intended her.

Since 1835, the year in which the first appropriation was made, Congress has appropriated for the improvement of the Ohio river only $9,000,000, and for the Ohio and her tributaries less than $22,000,000, sums that in comparison with the expenditures made by private enterprise are mean and insignificant. Following this line of thought, I have two practical suggestions to make in the line of Federal legislation.

First—The Monongahela river, which is now in part under the control of a private corporation, should be made free at government expense, upon terms that shall be just to the stockholders of that corporation. The Monongahela is a constituent part of our great national system of waterways. Having assumed control of its headwaters, and of the Ohio, into which it flows, the national government should control it altogether, and there should be no toll gates in it. It is due to the producers of the Monongahela valley and of West Virginia above that they should not be handicapped in their competition with other like producers, and especially not in unjust competition, as they are now, with others nearer to their markets who have had the benefit of government aid in freeing their highways.

Second—It has been declared by expert authority that it is feasible to connect our harbors with the waters of Lake Erie by means of a ship canal. The growing necessity of such an enterprise to Pittsburg is beyond debate, and its importance is beyond calculation. Cheaper freights for our raw materials, cheaper freights for our products of factory, field and mine, more extended markets and consequent increased products, all these must be the legitimate outcome of its consummation.

Such a canal would be an instrument of interstate commerce, and it is therefore not the province of any particular municipality or State, even if the power existed on their part, to undertake its construction. It must then be built either by the Nation or by private capital; and if by the latter either with or without Federal aid. In the multitude of such projects now pressing for legislative recognition from all parts of the country, there is but little likelihood of the assumption by the government of the cost of this particular work. But there is no reason in my judgment why private capital should not receive, short of such assumption, government aid in another way. Congress has the undoubted right under the Constitution, so the Supreme Court of the United States has declared, to create a corporation as an instrumentality of interstate commerce. My plan would be the creation by Congress of a corporation to construct this work; the guarantee of that corporation's bonds upon such conditions as would reasonably secure the United States against any ultimate liability for their payment; and upon the further condition that the government might at some future day, upon terms fair to the corporation stockholders, make the canal a part of our national waterway system. I do not pretend now to outline a charter or to go into details; but if capital can be raised and the project bona fide undertaken on the basis that I have suggested. It is, it seems to me, well worth while, with reasonable prospects of success, to attempt to secure from Congress the needed legislation, and in such attempt, so far as my humble efforts can go, they shall be cheerfully and enthusiastically given.

Upon the whole, I conclude that our past is secure, at least, and that if we seize the advantages that nature has given us, and those that our own ingenuity, energy and courage can further supply, our future will be likewise secure. I foresee, and I trust that the vision may be of a well-grounded faith, and not of inclination merely, a great city, reigning like a queen from her dominant seat, at the headwaters of the Ohio. Into her lap an extended commerce shall pour with lavish hand the wealth of many climes. Ready of reach from all the sources of supply, the products of field, forest and mine shall be brought to test the magic of her industry, and, recreated, shall go forth to minister to the needs, the tastes and the pleasures of a still advancing civilization. The comfort shall be here, let us hope, of a city where all that science can contribute to life and health shall find practical illustration; where law shall reign over a people living in the midst of influences that shall educate and uplift, and where the crowning glory shall be that her men and women shall be worthy of their surroundings, and shall be pledges of a still more glorious future.

At the conclusion of his speech three cheers were given for him as chairman of the Ways and Means Committee. After singing "Old Acquaintances" the guests dispersed.

IT WAS WELL EARNED.

At a session of the Association the following resolution was offered and unanimously carried:

Resolved, That the thanks of the National Hardware Association of the United States be tendered to Mr. T. James Fernley, for the very efficient and energetic manner in which for the past year he has filled the office of secretary-treasurer; that the Association appreciate the sacrifices he has made of his own private interests in order that nothing might be left undone that would add to the welfare of the National Hardware Association, and that we would request the executive committee to secure his services for the ensuing year, if they can do so and at a salary commensurate with the high character of his services.

Review of the Markets.

The market remains in about the same position that has characterized it for some time, the reduction in the price of Tacks being the most important item of change during the week. Just how great the change in this article has been, will be seen by referring to our report below. Prices as a rule are well held, although there is some unsteadiness caused by a disposition to cut rates in some quarters. The call for staple goods from jobbers has been quite active, but transactions from first hands are not extensive. The weather all over the country seems to have been very favorable for building purposes, and the line of Hardware required therein has been taken as freely as any other. While for the moment business is somewhat disappointing, dealers show no signs of discouragement, and look forward to 1896 with great hopes.

Tacks: The new discount sheets are out. The list of March 25th is revised as follows, there being in addition the usual discount of 2 per cent: for cash:

Papered, Dozened and M's. Full, Half and Quarter Weights.	Straight Weights. *
American Carpet Tacks, Blued	80 & 30%
" " " Tinned and Coppered	85 & 33⅓%
Steel Carpet Tacks, Blued and Bright.	85 & 30%
" " " Tinned and Coppered	85 & 33⅓%
Swedes Iron Carpet Tacks, S. S., Blued	85 & 33⅓ & 10%
" " " " " Tinned	85 & 33⅓ & 10%
" " " " Lanc., Blued	87½%
" " " " " Tinned	87½%
American Iron Tacks, Domestic	85 & 10 & 5%
Swedes Iron Tacks, S. S., Blued	87½%
" " " " Tinned	87½%
" " " Lanc., Blued.	80 & 20%
" " " " Tinned	80 & 20%
" " Upholsterers' Tacks, S. S	90%
" " " " Lanc	85 & 5%
Gimp Tacks, S. S., Blued	90 & 15%
" " " Tinned	90 & 10%
" " Lanc., Blued	85 & 30%
" " " Tinned	85 & 30%
Trimmers' Tacks, Lanc	80 & 20%
" " S. S	85%
Hungarian Nails	80 & 20%
Common and Patent Brads	80%
Leathered Tacks	60%
Brush Tacks, Bulk	87½ & 5%
" " M's	75 & 15%
Lace Tacks, Blued and Tinned	85 & 5%
Looking Glass Tacks, Bulk	70%
" " " M's	70%
Picture Frame Points	70%

Star weights (**), 5 per cent. extra; Standard weights (***), 10 and 15 per cent. extra, and special weights (****) (tinned and coppered carpet tacks only), 10 and 10 per cent. extra.

Wire Nails: There is more stir in the market, which shows substantially that the large stocks accumulated by jobbers and dealers, before the general raise in prices have been greatly decreased, at the same time the stocks in the hands of the manufacturers have largely increased, making it necessary to curtail the output of the mills to a considerable extent. The new freight blue book so much talked about is merely a concentration of the different freight rates that has been compiled for the convenience of the manufacturer. He can by this arrangement find the required information in the one book, where before it was necessary to consult a dozen different sheets. There is no change in prices. Quotations are as follows: Carload lots or mixed cars, $2.25 per keg, base, f. o. b., Pittsburg; less than carload lots, $2.35, base, f. o. b., Pittsburg. All shipments of carload lots are subject to the following advances over delivery price: 2½ cents at Chicago; 3 cents to New York, Philadelphia, Baltimore and the Southwest; 3½ cents to New England, St. Louis, New Orleans and Mississippi River points. The New York price for carload lots on dock is $2.43 and small lots out of store are held at $2.53.

Cut Nails: Prices for Cut Nails have not changed since last writing. We quote as follows: Carload lots, f. o. b., Pittsburg, base, $2, with the following advances on former delivery prices: 2½ cents to Chicago; 3 cents to New York, Philadelphia, Baltimore and the Southwest; 3½ cents to

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THE Davton Bicvcle

Is in every respect. . . .

Style, Material and Workmanship,

at least the equal of any "SPECIAL" wheel in the market.
It is admitted by all who have critically examined it to be the **EASIEST RUNNING** wheel made and . . . . . .

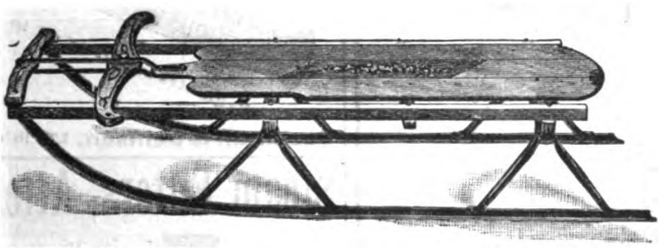
THE WHEEL FOR 1896.

The Davis Sewing Machine Co.,

Apply NOW for territory. **76 READE STREET, NEW YORK.**

The Dayton Bicycle received Highest Award at Atlanta Exposition.

A Sled that Steers



Absolutely the Best

Write for our Sled Catalogue and Price List.

Flexible Flyers
Flyer Sleighs
Flyer Coasters.

S. L. Allen & Co.,
Philadelphia.

If you want to live

A long life free from accidents . . . .

You will buy the

Patent Bent Rung Ladder

They are the

Strongest and Lightest Ladder On Earth.

A six-foot single step ladder will carry 700 pounds, and a double step ladder 1,000 pounds. A boy can take down and put up a sixteen-foot extension ladder. A man can hold an eighteen-foot ladder out at arm's length in one hand. Our step ladders will not come apart or break. They are made to last forever.

Write for prices and discounts.

Indiana Ladder Company,
INDIANA, PA.

St. Louis, New Orleans, Mississippi River points and New England. The delivered price on small lots of Cut Nails is 10 cents more at any point than carload lots at the same point. The following are the New York prices: Carload lots on dock, $2.18; small lots on dock, $2.28; small lots from store, $2.30.

Glass: While the output continues large, the demand has been sufficient to prevent any undue accumulation, though stocks in jobbers' hands have not been entirely absorbed. The value of common Window Glass imported during the nine months ending September 30th was $503,990, against $678,906 same time in 1894. Quotations are unchanged. The demand for Plate Glass is very good, and the factories are kept busy to fill orders without delay.

Linseed Oil: Market steady. The demand is not especially active. Raw oil is worth 42 cents; boiled, 45 cents; Calcutta raw, 48 cents, as quoted by the Dean Linseed Oil Co., November 18th.

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HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

Putty: No changes have occurred since last report, prices remaining from $1.40 to $2.25 as to amount and quality.

THE ROCHESTER TRADE.

We have little of new interest to give you concerning the condition of the Hardware trade in this locality. Collections seem to show some improvement, and possibly there is a little improvement in the demands of our small Hardware dealers for goods. However, we would say that business is far from being what we are in the habit of looking for at this season of the year. We think it very likely that the exceptionally fine and pleasant weather has had a detrimental effect on business, and that if we could get some cool weather, that it would cause a demand of seasonable goods, and trade would immediately show quite an improvement.

WEAVER, PALMER & RICHMOND.

THE CHARLESTON TRADE.

We report continued favorable condition of trade, and were agreeably surprised at the volume of October business. Our travelers are much pleased with the prosperous condition of the country, and delighted with the orders they are able to send in. Our mail orders are far above the average of past years, and we have had the pleasure of greeting in person a number of merchants who have not visited this market in years.

The report has gone out that the South is not only anxious to buy, but willing and able to pay, and commercial tourists who had for years stricken this territory from their list, as being undesirable, have again put the now favored section back, not in doubtful or obscure hieroglyphics, but all in capitals.

While some trade has unquestionably been diverted from Southern jobbers by this friendly invasion, we do not censure their presence, or envy them their successful effort to secure a small portion of the abundance offered.

We note a marked indisposition to make further advances, and feel that it would not require unusual persuasion to obtain concessions from present prices in some lines, and this supposition is by no means a source of congratulation or even desirable. Production has undoubtedly been much stimulated, and manufacturers have been unable to fill orders promptly, thereby creating the impression that continued scarcity would be the rule rather than the exception; but now that the orders requiring this unusual effort to fill, are filled, it is more than likely that stocks are already accumulating, and unless promptly distributed, will have a depressing influence on prices.

The South Atlantic States having been severely stricken by storms and almost impoverished by low prices of their farm products, had neither the disposition or ability to purchase largely for two years, but needing everything now, have been liberal patrons of the Hardware manufacturer, and will so continue until the next crop is planted and cultivated to harvest.

Our information about the West and Southwest is not cheering, and complaint about dull trade and no business doing, very general. These sections doubtless bought largely in early summer, but have not been able to distribute their stock, and will certainly not need replenishing

WATCH THIS SPACE

For our 1896 Wheels.

APOLLO,
CHALLENGE,
CYCLO AND
FAIRY.

Fire Arms, Sleds and Sporting Goods.

EDW. K. TRYON, JR., & CO.,

PHILADELPHIA.

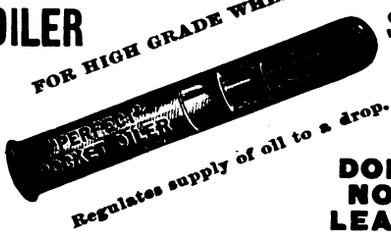
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Morgan & Wright Tires. Union Hardware Co.'s Skates.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.

25c.



Regulates supply of oil to a drop.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.

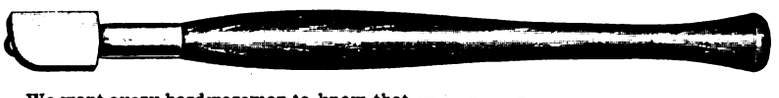
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn

GLASS CUTTERS



We want every hardwareman to know that our specialty is the manufacture of . . . Rolling Steel Wheel Glass Cutters and that we can make it worth money to them to handle our goods. Correspondence solicited.

W. L. BARRETT, BRISTOL, CONN., U. S. A.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

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for some time to come. Until compelled, no orders will be sent to manufacturers, and this is a serious matter to all. In the meantime, factories are being driven to full and even extra time, and in a short while accumulation will amount to annihilation and prices be suddenly and unwarrantably reduced.

We have had no special complaint about prices up to present writing, and are hopeful that we will be able to maintain given quotations and not be compelled to recede as the season advances.

Payments of spring bills with fall settlements have been very satisfactory and few balances are carried over. Settlements for fall purchases have been exceptionally good; many bills have already been discounted. We have on file orders that will keep us moderately busy during the entire month, and the transient trade and mail orders will enable us to record the most active November since 1891.

MARSHALL, WESCOAT & CO.

THE MINNEAPOLIS TRADE.

General business conditions continue favorable. The good weather we have been having has enabled building operations to be carried on to fully as good advantage as at any time during the year. Prices are fairly well maintained. There has been a little feeling of uneasiness regarding the price of nails, and some dealers have shown a disposition to force them somewhat, anticipating a possible decline; but there is is a firmer feeling at the present time; nevertheless no one seems disposed to purchase any more than is required for immediate consumption. Seasonable goods seem to be moving about as usual; skate trade already opened up although no sign of ice. Sawmills are closed down nearly a month earlier than usual, thus throwing a great many men out of employment; but a great many of these mill employees go into the woods during the winter. The city has resumed work on the new reservoir and filter, thus giving employment to a great many men that would otherwise be without anything to do. The new rolling mills at Columbia Heights are now nearly ready to commence operations, and under most favorable auspices. Certainly at the present price of iron, the mill ought to be successful. Flour mills are running full time and turning out more flour than ever, and rushing their goods East via the lakes before the close of navigation.

Rain, and plenty of it is needed throughout the country north and west of us. We have not had as much as seems to be required. The lakes and sloughs are very low. Have had a little rain recently but not a sufficient amount to do much good. We hope there will be a large snow fall to offset this and thus give the assurance of good crops another year. While the price of wheat and other produce is low and the farmers generally complain, still as a whole we doubt if the farmers have ever received as much net per acre for their produce as they have this year on account of the exceedingly large crops of every kind. They ought to feel quite well satisfied.

W. K. MORISON & CO.

THE OMAHA TRADE.

The last half of the week starts with a trade that is somewhat uneven, and without much life or activity. The warm weather prevailing has limited the demand for seasonable goods, and some seasonable weather would improve matters to some extent. Very little grain is moving, and the amount going forward is much below the average at this season. Corn which is selling at an average of about 14 cents throughout the State is worth, when fed, at the present price of stock, 25 cents, so that an unusual amount of feeding is being done, which will delay the movement of money and merchandise until early next year, when a material improvement is looked for.

On the whole there is little ground for complaint. Prices are fairly well maintained, and there appears to be a disposition on the part of both jobbers and manufacturers to cooperate in the matter of securing a living margin of profit. This is a hopeful sign, and it is hoped the disposition will be nursed and tended by both parties in interest. Collections might be better. They have been worse.

RECTOR & WILHELMY CO.

THE PITTSBURG TRADE.

Trade is moving along in very fair volume, but there is no great activity in it. Merchants may be said to be waiting developments, and we have great hopes that after the turn of the year there will be a steady growth in demand and that prices will be well maintained. This week, November 18th to 23d, was given up largely to the visiting members of the National Hardware Association of jobbers, meeting in the Monongahela House.

LOGAN, GREGG & CO.

THE GRAPHITE TRADE.

We have deferred our communication until a later issue that full returns for October might reach us from our branches.

The result has fulfilled our expectations, and the total for the month has slightly exceeded any previous month in the history of our business. Crucible sales lead the record, Pencils, Lubricating Graphite, Cycle Chain Lubricant and the other productions closely following. While this result is in a measure due to active demand, another factor is the enlarged capacity for production through a completion of manufacturing facilities.

Vice-President John A. Walker has just returned from a friendly trip to St. Louis, Kansas City, Denver, Omaha and Chicago, and reports the outlook for big orders very encouraging.

The month closed with plenty of orders on the books, and mail inquiries for particulars and prices of the various Graphite products to warrant the hope of plenty to come. Accounts are settled promptly and no clouds in the horizon.

JOSEPH DIXON CRUCIBLE COMPANY.

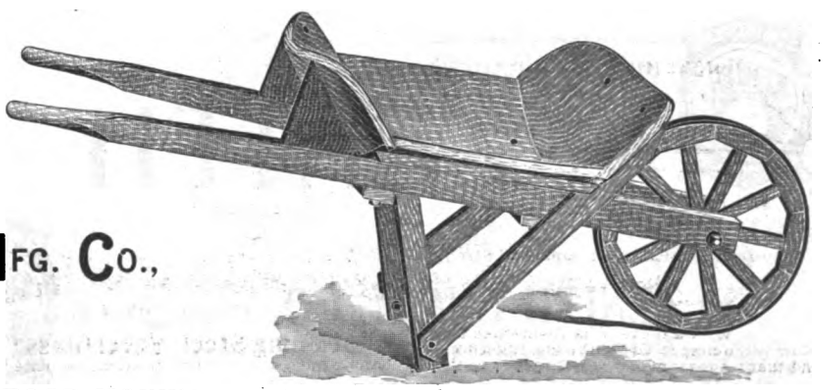
Allerton, Clarke & Co., No. 97 Chambers Street, New York, have taken on the agency of the Richmond Bicycle Co., Richmond, Ind.

The Allerton-Clarke Co., No. 118 Lake Street, Chicago, have the exclusive Western agency for the Lockwood Mfg. Co., Norwalk, Conn.

The other day a HARDWARE representative, while in the well-known house of Schoverling, Daly & Gales, New York, met the genial Col. Ben Lovell, of the John P. Lovell Arms Co., Boston. The Colonel was as full of enthusiasm and "go" as is his wont, and had with him a new Bicycle Handle Bar, which we really think is to be one of the great winners. We hope, at a later date, to illustrate and describe this really wonderful improvement in the way of bicycle construction.

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.



THE KILBOURNE & JACOBS MFG. CO.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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The Liberty

Makes the BEST line of

BICYCLES

for Hardware Dealers to handle

Because their reputation is so great as to need no introduction to the probable customer. They have stood the test, and have gained for themselves the SOBRIQUET . . . . . .

"America's Representative Bicycle."

Responsible Hardware Dealers can make arrangements to represent the Liberty in unoccupied territory. . . . . .

Address all communications to

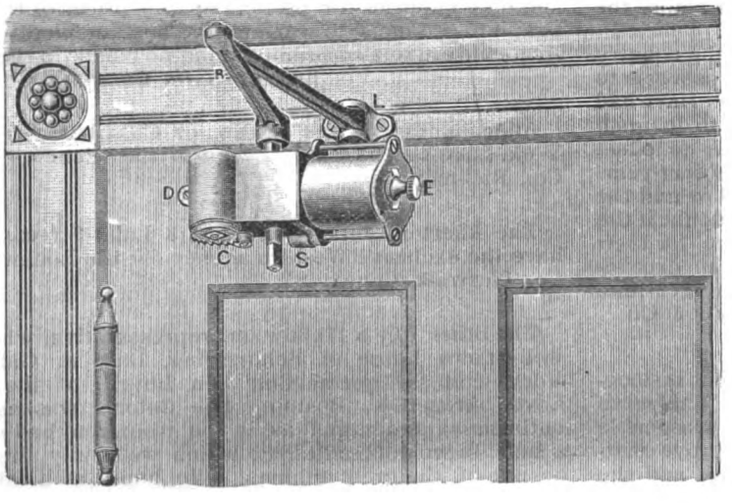
The LIBERTY CYCLE CO.,

4 Warren Street, New York.

THE ROYAL

DOOR CHECK & SPRING

Simple, Compact, Strong, Durable.



The Latest, Cheapest, Best.

W. H. QUINN & CO.,

103 CHAMBERS ST., N. Y.



HIGHEST GRADE IS THE

ZENITH

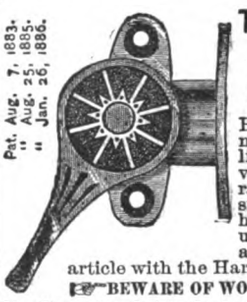
Large Tubing, Large Hubs, and Large Balls. Tool Steel Bearings. Absolutely Dust Proof. Reversible Handle-Bar. Narrow Tread. Easily Detached Cranks, Simple and Strong. . . . . .

ZENITH CYCLE CO. BINGHAMTON, N. Y.

Now is the time to write us for Advance Sheet.
We want Agents everywhere. . . . . .







THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

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HARDWARE vs BICYCLES.

Hardware Dealers who add Bicycle Departments to their stores are progressive. Those who stock their departments with Remingtons may count upon success. . . .

Remington Bicycles

'96 Models.

are popular with both dealers and riders. The line is complete, including roadsters, tandems, racers and juvenile wheels. . . . . .

In our new models everything has been considered but Cost.

They are the finest experience can produce that money can purchase.

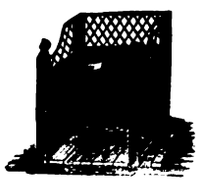
Dealers are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

Agents Wanted in Unoccupied Territory.

REMINGTON ARMS COMPANY,

Factories: Ilion, N. Y. 313-315 Broadway, New York City.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardware-men with nothing else to divert their attention. ; ; ; ; ;

Pocket Cutlery

OF THE

Finest Quality

FOR THE HOLIDAY TRADE.



An excellent variety of Aluminum Handles beautifully engraved.

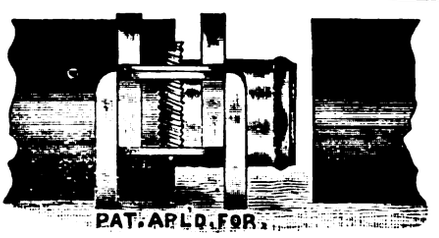
Write for List and prices.

TRADE UN-X-LD MARK.

NORTHFIELD KNIFE CO.
NORTHFIELD, CONN.

THE DOUBLE CINCH

HOSE BAND AND MENDER.



In Mending one Band does the work of two of any other make.

Bands unequalled for attaching Couplers, Nozzles and other Hose Fixtures.

Simplest and Best in the Market.

Water-tight, Durable, Light, Strong and easily put on—a knife and screw-driver being all the tools needed to mend a hose with this device.

The Mender Tube is seamless brass, easy to insert, gives a full opening, and does not rust.

Can be removed and replaced as many times as desired. The screw is never set by rust; it opens and closes the band, and is never detached or lost.

Ask for Catalogue and discount.

Order of your jobber, or of

CLAYTON & LAMBERT MFG. CO.
YPSILANTI, MICH.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Atlantic City, N. J.—Hinkle & McDevitt.
Centerville, S. D.—D. E. Hicks.
Chicopee Falls, Mass.—H. A. Standish.
Coleman, Wis.—Gibbs & Co.
Eau Claire, Wis. — Herman Schlegelmilch.
Galesburg, Ill.—G. B. Churchill & Co.
Grand Junction, Col. — Thomas & Slocomb.
Hart, Mich.—Nout & Colby.
Linneus, Mo.—H. B. Johnson.
Lynn, Mass.—Wm. H. Hutchinson.
Margaretville, N. Y.—Allison & Searle.
McKeen, Ill.—Dye & Darnall.
Memphis, Mo.—Forman Hardware Co.
Oriskany, N. Y.—Leonard Cross.
Parsons, Kan.—J. P. Black.
Porterville, Cal.—A. J. Delaney.
Revere, Mass.—A. B. Andrews & Co.
Sandusky, Ohio.—Jas. Woods.
Texas City, Tex.—J. W. Short.
Walseka, Ill.—M. E. Ruddy.
West Branch, Iowa.—Morris Bros.

Record of Changes.

Altamont, Mo.—Gilbert & Smith, Hardware, etc., reported to have sold to J. J. Sifers.

Atlantic, Iowa.—The Hardware stock of D. A. Burkhalter has been purchased by W. H. Pierce.

Bird City, Kan.— Heimlich & Carroll, Hardware and implements, have dissolved partnership. E. B. Carroll continues the business.

Bloomington, Ill.—Fred Fisher has bought Hardware store of C. R. Gordon.

Brookfield, Mo.—The Hardware stock of Bettleheim & Co. has been purchased by Huber Bros., of Herkimer, Kan.

Dearborn, Mo.— The Arnold Hardware Co. have sold out to G. W. Whaley.

Dentonville, Kan.—The Hardware firm of Fields & Denton have dissolved partnership. The business will be continued by J. C. Denton.

Fairview, Ark.—W. C. Horton, Hardware dealer, has been succeeded by Newton & Co.

Flatrock, Ind.—Geo. Altman has bought R. W. Fisher's interest in the Hardware store of Almaroth & Fisher.

Granger, Mo.—The Hardware firm of H. H. Jones & Bro. have made a change, and is now H. H. Jones.

Green Ridge, Mo.—L. B. Ream, Hardware, sold an interest, and the firm will hereafter be Ream & Lorney.

Halls Summit, Kan.— Ragan & Lake, Hardware, have been succeeded by C. F. Parmeley.

Hinsdale, N. H.—Walter O. Stebbins has bought out the Hardware store of Edward Stebbins.

Hooper, Neb. — A. J. Davisson, Hardware, reported to have been succeeded by A. A. Bergan & Co.

Howe, Tex.—W. J. Tighe, Hardware, reported to have been succeeded by G. B. Smith & Son.

Jamestown, N. D.—Al Klein has bought his father's interest in the Hardware business and will carry same alone.

Kansas City, Mo.—Mrs. M. E. Smith, Hardware, etc., reported to have been succeeded by J. W. Adams.

Lake Mills, Wis.—E. E. Hubbard, Hardware, has been succeeded by Sacker & Schroeder, of Markesan.

Leakesville, N.C.—Carter & Carter, Hardware dealers, have dissolved partnership, and have been succeeded by Carter & Moir.

Lett's Corner, Ind.—G. W. Moore has sold his Hardware store to Harry Boyd.

Linn, Kan. — Kappleman Bros., Hardware, sold business to Kingsberry & Collins.

Litchfield, Ill.—Geo. J. Ramsey, of the firm of Ramsey & Austin, has sold his interest in the Hardware business to his partner.

Marysville, Kan. — Archie Thompson, Hardware, stock purchased by James A. Dolan.

Marquette, Kan.—Alfred Hawkins, Hardware and implement business, sold to J. W. Jenkins.

Morganville, Kan.—H. B. Christenson, Hardware, sold out to J. C. Johnson.

Millington, Mich.—O. L. Cardwell bought Hardware store of I. T. Damon.

Nappanee, Ind.—F. V. B. Minnich, Hardware, stock purchased by A. M. Allen, of Pittsburg.

Nevada, Mo.—The partnership existing between James B. Robinson and B. F. Waller, Hardware, is dissolved by mutual consent on account of ill health of Mr. Waller. The business will be carried on by the new firm of Jas. B. Robinson & Son.

New Castle, Ind.—Daniels & Chew have purchased the Hardware stock of Newby & Son.

Passaic, N. J.—Forsythe & Bell, Hardware, reported to have been succeeded by James Forsythe.

Perris, Cal.—J. R. Parker, Hardware, reported sold to L. A. Smith.

Republic, Mo.—The Republic Hardware Co. has been succeeded by the Hoe Hardware Co.

Rothan, Ala.—Murphree & Porter, Hardware and stoves, Russell Porter bought interest of his partner, and will conduct the business in his own name.

Sheffield, Ala. — B. H. Adams & Co., Hardware, have been succeeded by the Adams Hardware Co.

Spirit Lake, Iowa.— Copley & Blackert, Hardware, dissolved partnership.

West Point, Iowa.—Link & Conley, Hardware and agricultural implements, reported to have dissolved partnership.

Improvements and Removals.

Camden, Me.—E. H. Goodale has moved his Hardware goods into the Gleason building.

Geneseo, Kan.—S. L. Huff, of Hope, Kan., will move his Hardware stock to this place.

Logan, Kan.—W. H. Cox, the Hardware merchant, of Marvin, Kan., has removed part of his stock to Logan.

Plainfield, N. J.—The Hardware store of Frank S. Rose at No. 224 West Front Street has been closed, and all the supplies shipped to New York, where Mr. Rose will engage in the Hardware business.

Pueblo, Col.—T. H. Foley Hardware Co. have removed to No. 231 North Union Avenue.

South Milwaukee, Wis.—B. E. Walter has built new addition to his Hardware store.

Youngstown, Ohio.—The Hardware store of Thomas Bros. is closed, this firm having removed their stock to Kent, where they will continue the business.

Business Embarrassments.

Florence, Ala.—The Portlock Hardware Co. have made an assignment.

Middlebranch, Ohio.—Delmer E. Hershey, a Hardware dealer, has made an assignment to George W. Miller. The assets are estimated at $1000 and liabilities about the same.

Smithville, Mo.— J. T. Hudson, Hardware, has made an assignment for the benefit of his creditors.

Burglaries in Hardware Stores.

Brookhaven, Miss.—J. A. Broadwell, $40.
Casey, Ill.—H. B. Lee & Co., revolvers and cutlery.
Fall River, Mass.—Henry R. Gross, $100.
Garfield, Wash. — Cumbaker & Throop, firearms and cutlery.
Germano, Ohio.—J. W. Harding, $50.
Greenville, Ala. — J. F. Johnson, small loss.
Havre de Grace, Md.—G. C. Pusey & Co., $200.
Nashville, Mich.—C. L. Glasgow, cutlery and revolvers.
Nora, Ill.—A. J. Young, cutlery.
Redding, Cal.—James Young, $15.
Sherrard, Ill.—Robert Davidson. $35.
St. Charles, Mo.—L. Rings & Son, $65.
Tontogany, Ohio.—S. L. Irwin, $25.
Turner, Ill.—C. Boynton, cutlery and revolvers.
Verona, Pa.—Eaton Bros., $250.

Fires in Hardware Stores.

Brooklyn, N.Y.—Andrew Crowley's Hardware store damaged by fire to the extent of $800.

Ceres, N. Y.—G. C. Hickok, Hardware stock damaged by fire. Loss, $2000; insurance, $1000.

Dallas, Tex. — Dowell & Fields, Hardware, loss by fire, $30,000.

Elgin, Neb.—Grant & Blazer, Hardware and implements, destroyed by fire.

Elkton, S. D.—O. T. Gratton's Hardware store and stock damaged by fire to the extent of $25,000; insurance, $5000.

Henderson, Mich. — Detwiller & Sons, Hardware store visited by fire; small loss.

Lewiston, Minn. — Nusslock & Simon, Hardware, destroyed by fire.

South Butler, N. Y.—Wm. Pasco's Hardware store was recently damaged by fire to the extent of $500.

South Framingham, Mass.— John Daisley's two-story Hardware store and lumber yard, damaged by fire to the extent of $9000; covered by insurance.

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THERE is always a time in the career of every business when Quality and Finish is necessary to build up and maintain your business.



Has this time yet come to you?

It has if you wish to continue the confidence your customer has placed in you. The more competition you have the better ought to be your line of Barrows.

Thoughts and Ideas are valuable, but to maintain the intelligent effort, your goods must maintain a high quality and a moderate price. **THE CHAMPION BARROWS** possess all the above. What more can you ask?

BRYAN MFG. CO., Bryan, Ohio, U. S. A.

FENTON WHEELS FOR 1896



Are Models of . . . .

Perfect Proportion
Beauty and Strength
1¼ Main and 1½ Head Tubes
Tubular Hubs
Ball Retaining Cases
Mahogany Rims

Send for Catalogue

P. S.—Fenton Wheels have Blue Crowns.

FENTON METALLIC MFG. CO., Jamestown, N. Y.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

Hunt

BICYCLE SADDLES

WESTBORO, MASS.

Request

Your Manufacturers or Jobbers to deliver your Bicycles fitted with . . . . . .

Hunt Saddles and Tool Bags

If you desire first class goods.

H. C. HIGGINS & CO.,

19 Pearl St., Boston.

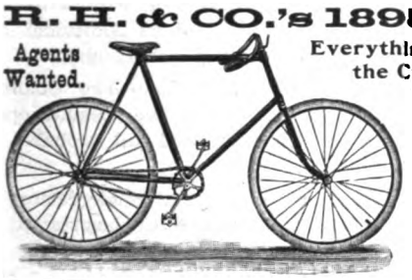
Manufacturers' Selling Agents.

We would be pleased to correspond with Manufacturers and individuals having goods to offer the Hardware Trade of New England

---

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfr., 225 G St., Peoria, Ill.

LIGHT .·. SAFE .·. COMFORTABLE

Dealers, Write for Discount.



Jobbers, Ask for Electrotypes.

Manufactured by **Geo Hilsendegen,**

DETROIT, MICH.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Albany, N. Y.—The Economical Egg Beater Co. has been incorporated by C. F. Rushmore, Luther C. Warner and J. Sheldon Frost; for the manufacture and sale of a patent egg beater. Capital stock $2,000.

Anderson, Ind.—The Schofield Bolt Co. will establish a plant with a capital stock of $120,000. The directors are A. B. Bower, F. R. Schofield, B. P. Power, W. C. Schofield and C. W. Schofield.

Brilliant, Ohio.—Articles of incorporation have been recorded authorizing the operation in this State of the new Brilliant Tube Pipe Works. The incorporators named are J. R. Jackson, of New York; Thomas Hackett, of Pittsburg; Joseph Spiedel, W. B. Simpson, W. F. Stifel and Geo. K. Wheat, of this city. The new company will manufacture, sell and deal in iron and steel pipe of all kinds; mine, buy and sell coke and coal, and indulge in a general manufacturing business.

Brooklyn, N. Y.—The Brady Mfg. Co. has been incorporated to make and sell machinery, tools, etc. The capital stock is $100,000, and the directors for the first year are E. C. Ward, Elizabeth Brady and James Brady, of Brooklyn, and J. E. Woodbridge, of Bridgehampton.

Brooklyn, N. Y.—The Connolly Specialty Works have been incorporated by Calvin Detrick and John A. Keohl, of Brooklyn, and Frederick Carragin, of New York City; to deal in plumbers' specialties. Capital stock $10,000.

Camden, N. J.—Articles of incorporation have been filed in Camden by the Keystone Filter Co. The objects of the corporation are to manufacture and sell all kinds of filters. The capital stock of the company is $40,000. The incorporators are E. B. Stone, Charles F. Dirmitt, Edward A. Hibbs, Robert P. Weaver and Samuel Hibbs.

Cleveland, Ohio.—The Colwell & Collins Bolt Co. has been incorporated by A. L. Colwell, C. E. Collins, H. R. Collins, H. A. Garfield and E. C. Collins.

Chicago, Ill.—Wallis, Meacham & Co. have been incorporated; capital stock, $10,000; to manufacture Hardware, etc; incorporators: Adolph Karse, Morris Schuhmann and William A. Rogan.

E. St. Louis, Ill.—The Denverside Tool Co. has been incorporated; capital stock, $5000; to manufacture well tools; incorporators: J. A. Douglas, G. O. Hough and B. F. Hart.

Hartford, Conn.—The Schofield Gear & Pulley Company has been organized to manufacture pulleys, gear, shaftings, etc. Capital stock $8,000. Incorporators are James B. Shannon, George S. Smith, Charles B. Lee and William W. Collins, of Norwich, and Aaron Lucas, of Preston.

Lake Odessa, Mich.—The Lake Odessa Mfg. Co., with a capital stock of $10,000, has been formed, and will manufacture the Domestic Washer. The officers of the concern are: President, Don J. Durkee; vice-president, George A. Weed; secretary and treasurer, E. J. Gray.

Newark, N. J.—The W. W. Pryor Hardware Mfg. Co. has been incorporated. The company will manufacture and sell Hardware in this city and other places with a capitalized stock of $10,000. The incorporators are William W., Frank L. and Robert W. Pryor and John Einwachter, all of Newark.

New York, N. Y.—The Electric Flameless Stove Co. has been incorporated by J. L. Follett, H. S. Follett, D. F. Pond and others, of New York. $500,000.

Ottawa, Ill.—The Standard Fire Grate Co. has been incorporated by John W. Channel, Warren C. Riale and Edward W. Bach. Capital stock, $25,000.

Passaic, N. J.—The American Art Casting Co. has been incorporated to cast, manufacture, buy, sell and deal in metals and other goods and wares of all descriptions; to buy, sell and make moulds, dies and machinery, etc. Authorized capital, $150,000.

Philadelphia, Pa.—American Pulley Co. has been chartered for the manufacture and sale of machinery, etc.; capital, $50,000. Directors: George V. Cresson, Ashbourne, Pa.; Thomas Carseaden, New Britain, Conn.; Giles L. Reynolds, Morris W. Rudderon, Henry Morris, Philadelphia.

Pittsburg, Pa.—The Wilson Mfg. Co., newly incorporated with a capital stock of $25,000, with H. G. Wilson, of McKeesport, as president, have decided to locate factory at 24th and Parsons Street, and will manufacture Hardware novelties.

Portland, Ore.—The Cheney Mfg. Co. has been incorporated to manufacture, buy and sell tools, implements and machinery, and do a general commission business; capital, $5,000; 200 shares of $25 each; incorporators: D. H. Cheney, Ella R. Cheney and H. W. Hogue.

Changes and Removals.

Jackson, Mich.—The Coldwater Stove Works have been purchased by the Novelty Mfg. Co., and they will remove the plant to Jackson.

Lockport, N. Y.—C. C. Harris, of Toronto, will move his tin foil manufacturing plant to Lockport.

New Haven, Conn.—D. W. Perkins, of Plantsville, rivet manufacturer, will remove to this city owing to the scarcity of water where he is at present situated.

Whitman, Mass.—The Lyman Reed Tack Mfg. Co. moved its machines to this place recently, and in the future will carry on business at the East End of town.

New Buildings and Improvements.

Belfast, Mass.—The new machinery has been set up in Howard & Son's, which doubles the capacity of the factory. The force of workmen is being increased, and soon the factory will be running to its fullest capacity.

Granite City, Ill.—It is said that large additions will soon be made to the St. Louis Stamping Co. Works. The steel plant is to be enlarged so as to nearly double its present capacity, and an electric lighting plant is to be installed. In addition to these improvements the managers contemplate the erection of a number of dwelling houses, the construction of sewers and drains, and the making of other minor betterments.

Indianapolis, Ind.—The Lilly Varnish Co. has completed its new plant, and is in a position to largely increase its output.

Philadelphia, Pa.—A one-story brick tool house, 25x15 feet, is being built by the Breuil Mfg. Co., Twentieth and Clearfield Streets.

Rankin, Pa.—An addition is being made to the wire works of the Consolidated Co. The addition will comprise a cooper shop, which will employ over 100 more experienced hands. The new cooper shops will turn out over 5,000 wooden kegs per day.

Utica, N. Y.—The Standard Harrow Co. have about completed an addition to their foundry. It is a brick building 100x75 feet in dimensions, and will greatly increase the facilities of the company's plant.

Recent Fires.

Cuyahoga Falls, Ohio.—The Falls Rivet & Machine Co.'s Works were recently damaged by fire. The building was burned from the cupola, which was in the center, back to the end. The part that was burned was about 100 feet long and 70 feet wide. Nearly 125 men were employed in this department. The loss is estimated by the company at $25,000, fully covered by insurance.

Philadelphia, Pa.—The nail works of Phillips, Townsend & Co. were recently visited by a destructive fire. The loss is estimated at $150,000, fully covered by insurance. One hundred men were thrown out of employment.

General.

Falconer, N. Y.—The Holmes-Peterson factory, situated on the Johnson tract near the junction, will be started up the first of the week. Butting and carving machinery is to be made here. The number of employes at the start will not be large.

Fort Payne, Tenn.—The Fort Payne stove works, which have been idle for some time, have resumed operations with a force of seventy-five men, and an additional fifty men will be put on in a short while.

Kanawha City, W. Va.—The Columbia Barb Wire & Nail Co. have resumed operations in their plant, and will probably add machinery.

Kingston, Mass.—The tack factory of Frank W. Maglathin & Co. has started up, after being closed several weeks.

Portsmouth, N. H.—The Stovene Mfg. Co. have decided to give up business and sell the plant.

Wheeling, W. Va.—The La Belle nail factory, which has been off for the past six weeks, will in all probability resume operations soon. Some of the machines have been working, and the resumption of the plant will give a number of men employment.

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WE GUARANTEE

A CIRCULATION FOR ALL THE NEWS. HARDWARE HARDWARE EXCLUSIVELY. OF NOT LESS THAN

ONE HUNDRED AND TWENTY THOUSAND

FOR

1896.

There is but one way, outside of the word of the publishers, to settle definitely the circulation of any newspaper, and that is to **publish the receipts from the post office** for the matter that is mailed. During 1896 we shall adopt this system, and will, each issue, publish the receipts for the preceding issue as obtained from the mailing department of the New York post office, and this will settle, once and for all, the truth of our assertions.

If it can be shown that we fall below 120,000 in the year we **will donate $1,000** to any charity named by the president of the New York Hardware Club.

HARDWARE PUBLISHING CO.,
143 Chambers St., New York.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Ansonia, Conn. — Sperry Mfg. Co. has leased its plant to the Wilcox & Howe Co. for the manufacture of bicycle forgings, and the factory will run night and day with a force of thirty men.

Big Rapids, Mich.—G. C. Lumsden will establish a factory for the manufacture of wooden bicycle rims.

Boston, Mass.—The Yost Mfg. Co., of Toledo, Ohio, have recently opened branch at No. 259 Columbus Avenue.

Boston, Mass.—The E. Howard Watch & Clock Co., at No. 383 Washington Street, have decided to commence the manufacture of bicycles, and are now perfecting their arrangements to that end. They will manufacture a high grade wheel, turning out 3500 for the next season. It is intended that all agents of this company throughout the country shall handle the bicycles also.

Bradford, Pa.—The Bradford Cycle Co. has been incorporated by S. R. Dresser, P. P. Kennedy, W. C. Kennedy, F. M. Webster, C. M. Brooks, C. L. McAllister and A. D. Burnes. Capital stock, $6000.

Brooklyn, N. Y.—The Lefebre Mfg. Co. has been incorporated by G. E. Roe, L. S. Matthewson and E. A. Lefebre, of Brooklyn, and George L. Robinson, of New York City, with a capital stock of $5000, to manufacture wire bicycle stands in Brooklyn.

Chicago, Ill.—The Cycle Pendulum Co. has been incorporated by Edward D. Anconra, James M. Kuh and Ludwig Zeisler. Capital stock, $50,000.

Chicago, Ill.—The King O'Hara Mfg. Co. has been incorporated by Philas King, Alexander P. O'Hara and Chas. E. Stanley, to manufacture bicycle supplies. Capital stock, $10,000.

Chicago, Ill.—The Diamond Pedal Co. has been incorporated by Patrick J. Regan, Abraham L. Funk and Geo. S. Parker, to manufacture bicycles. Capital stock, $5000.

Cleveland, Ohio.—White Sewing Machine Co. announce their intention of going into the manufacture of bicycles, building a high grade wheel to be known as the White.

East Orange, N. J.—Porter & Gilmour, incorporated, have obtained charter for manufacturing bicycles. The incorporators are Luther W. Porter, James N. Gilmour and Chas. D. Brisch. Capital stock, $35,000.

Frankfort, Ind.—R. P. Shanklin & Co., bicycles, have commenced business, having secured the agency for the Waverley.

Grand Rapids, Mich. — Vanderveer & Witman, bicycles, commenced business, having accepted the agency of the Fowler Cycle Mfg. Co.'s wheels.

Greenfield, Mass.—Chas. F. A. Eddy, W. L. Severance, B. B. Noyes, and others, are organizing a company with a capital of $10,000, to manufacture a new bicycle designed by Mr. Eddy.

Indianapolis, Ind.—The S. A. Haines Co. are preparing to open a store for the retailing of the Eclipse bicycles, manufactured by the Eclipse Cycle Co., Elmira, N. Y., for which wheel they have been appointed exclusive agents for the State of Indiana. They are now arranging to establish an agency in all the leading towns and cities in Indiana.

Montville, Conn.—The Lindstrum Cycle Co. has been organized with T. E. Robertson, president, and C. W. Comstock, secretary and treasurer, to manufacture bicycles. Capital stock, $30,000.

New Bedford, Mass.—Crown Bicycle Mfg. Co. is reported to be negotiating with business men at Tottenville, N. Y., with a view of building a bicycle factory in that place.

New London, Conn.—The Owens Mfg. Co. are setting up machinery in the factory building of the Oneco Mfg. Co. for the manufacture of bicycles.

New York, N. Y.—The Phillips Mfg. Co. is being organized at Nos. 307-309 West Broadway, to manufacture the Phillips Bicycle.

New York, N. Y.—The Non-Puncturable Pneumatic Tire Mfg. Co. has been incorporated by F. C. Boehm, G. S. Boehm and Max H. Boehm, all of New York. Capital stock, $1000.

Peoria, Ill. — The Henning Cycle Co. opened new store at No. 426 Main Street.

Philadelphia, Pa.—Sharpless & Watts, at No. 1522 Chestnut Street, have commenced the manufacture of bicycles, and intend to turn out 3000 wheels on the '96 market. They will manufacture a high grade hundred-dollar wheel, to be known as the Quaker City, also a trade wheel of ordinary grade. A special department of their business will be devoted to bicycle parts and sundries.

Philadelphia, Pa. — Penn Bicycle Co. has been incorporated by Ray M. Howard, Harry D. Lecato, Jno. A. Lecato, Josephine McCartney, Daniel L. Hill, Geo. Shattuck, Edwin C. Howard. Capital stock, $10,000.

Pittsburg, Pa.—The Wilson Mfg. Co., newly organized, with a capital stock of $250,000, with H. C. Wilson, of McKeesport, Pa., president; will erect factory corner Twenty-fourth and Carson Streets, and will manufacture Hardware and bicycle novelties, and will conduct a bicycle repair department.

Santa Cruz, Cal.—Hall Steck, of San Francisco, is organizing a company to manufacture bicycles.

Springfield, Minn.—A. G. Anderson, bicycles, Hardware, etc., is opening new store.

St. Joseph, Mo.—The Gun & Bicycle Co. is preparing to commence the manufacture of bicycles, making a specialty of a new combination ram's horn handle-bar. Sufficient orders are said to be booked to keep the factory busy during the winter months.

St. Louis, Mo.—The Knight Cycle Co. has been incorporated by A. A. Knight, who is credited with 293 shares; A. A. Hart, who has one share, and R. T. Stillwell, who also has one share, to buy and sell bicycles, tricycles and other vehicles. Capital stock, $30,000.

St. Paul, Minn.—The Griffin Wheel Co. is reported to be preparing to establish a bicycle factory in St. Paul, with a daily capacity of 200 wheels.

Syracuse, N. Y.—The Tourists Cycle Co. has been incorporated by Edward C. Stearns, Herbert E. Maslin and Harry White, of Syracuse, and Julian R. Tinkham and Ernest F. Walton, of New York City, to manufacture bicycles. Capital stock, $100,000.

Syracuse, N. Y.—The Empire Cycle Co. has been incorporated by Edward C. Stearns, Jacob Amos, Herbert E. Maslin, Wlibert L. Smith and Jno. C. Bowe, of Syracuse, to manufacture bicycles. Capital stock, $100,000.

Waltham, Mass. — American Waltham Mfg. Co. have commenced the erection of a factory, 30x200 feet, three stories high, for the manufacture of a high grade bicycle, to be known as the "Comet."

Changes and Removals.

Chicago, Ill.—Donnelly & Deward, manufacturers of the Double Diamond bicycle, reported sold out to the Cash Buyers' Union, No. 158 to 164 West Van Buren Street. The purchase only includes the bicycle business of this concern. The buyers will increase the output.

Cuba, N. Y.—F. Lown & Co., bicycles, reported sold out to Charles Gee.

Hackensack, N. J.—Bennett & Co., bicycles, have sold out to John Lozier.

Louisville, Ky. — Kentucky Cycle Co., Chas. H. Jenkins and Chas. Speed, have disposed of their interests to George W. Herbert, who has been connected with this concern for some time, and who will continue the business.

Northampton, Mass. — Hampshire Cycle Mfg. Co. have recently effected a reorganization, changing from a partnership to an incorporated company, with a capital stock of $25,000. This action was taken for the purpose of enlarging the company's factory from a capacity of 1500 bicycles to 2000 bicycles. The Nonaltuck and Katharina bicycles are manufactured.

Redwood, Cal.—Stafford & Johnson, bicycles, have dissolved copartnership, and have been succeeded by Johnson & Hughes.

Toledo, Ohio. — Dauntless Bicycle Co. moved into larger quarters, and are adding much new machinery. The company formerly employed sixty men, but expect to increase their force to 250.

New Goods and Improvements.

Highlandville, Mass.—Union Cycle Mfg. Co. have completed their four-story addition to their large factory, for the accommodation of 100 additional operatives; 5000 wheels are to be turned out in '96, against 2500 wheels manufactured last season.

Oregon, Wis.—The Badger Cycle Co. will increase their output of bicycles to 2000 wheels. The company contemplate still further extensions to their capacity. Their '96 model will be 1⅛-inch tubing throughout, except the head, which will be 1¼-inch.

Westfield, N. J. — Scrivin & Hand, bicycles, are completing an addition to their building, to be used as a bicycle repair department.

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Good Agents Wanted.

Good Agents Wanted.

Improvements

The Order of the Age.

THE IVER JOHNSON, "the old established cycle with a new name," has them all. The new 1896 models will make glad the heart of man. An easier wheel to sell has never been turned out of a cycle factory in this or any other country. . . . . .

Iver Johnson's Arms and Cycle Works,

See our Frame and Fork Construction.

Fitchburg, Mass.

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FOR SALE!

A LARGE MANUFACTURING PLANT.

Lately used as a Bicycle works. Large part of shafting and pulleys already in position, so that machinery could be attached and operations begun at once. Capacity, 15,000 Wheels per annum. This property, with water-power, is well adapted to many kinds of manufacturing purposes, and will be sold cheap. For further information, address

J. S. DICKSON, 98 4th Ave., Pittsburgh, Pa.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.



When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD BICYCLES

100.00
60.00
50.00
40.00

List Prices for 1896.

THE CRAWFORD MFG. CO.

BRANCH HOUSES:
New York, 70 and 72 Reade St.
St. Louis, 608 North 4th St.

Factory and Main Office:
HAGERSTOWN, MD.

New England Agents, Bigelow & Dowse Co., Boston, Mass.

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1896

Lovell Diamond Bicycles.

STRICTLY HIGH GRADE.

$100.



Lovell Excel Bicycles,

MEDIUM PRICE.

$40 to $75.



APPLY NOW FOR '96 AGENCY.

John P. Lovell Arms Co.,

BOSTON, MASS.

THE COLONIAL.

Recognized as the **SOCIETY WHEEL.**

You Don't See Them Everywhere,

BUT YOU WILL.

JOHN McCLAVE & SONS, MAKERS,

602-604-606 W. 22d ST., New York City.

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AT TATTERSALL'S

under the auspices and sanction of The Board of Trade of Cycle Manufacturers.

January 4 to 11, 1896.

Enormous Auditorium....
Over 300 Exhibition Spaces.

The same careful attention that marked last year's show will be paid to the interests of visiting agents.

REDUCED RATES ON ALL RAILROADS.

For further particulars, address:

THE NATIONAL CYCLE EXHIBITION CO.,

334 DEARBORN ST., CHICAGO.

NO COMMENT NECESSARY.

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To Monarch Cycle Mfg Co

Monarch Cycles awarded first premium at Texas State fair and Dallas exposition.

Geo. R. Cox

MONARCH CYCLE MFG. CO.,

Eastern Branch:
83 Reade St., New York City.

Lake, Halsted and Fulton Sts., Chicago, Ill.

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Syracuse Cycles Spin to Win.

Keep Yoar Eye on the Crimson Rims.

FOR THE

HARDWARE TRADE IN PARTICULAR

Have we purchased our lines of Bicycles for 1896. Having particularly in view a desire to secure good agents in the most legitimate channel (which we believe to be the hardware store) we have closed contracts for makes of wheels that cannot fail to be sellers.

Our Leader

The

SYRACUSE

An Unequaled High Grade Wheel.

The Easiest Sold.

Distinctive Features.

THE BEST ADVERTISED WHEEL IN THE WORLD.

9 MODELS.

We will also Represent in the East, the

NATIONAL SEWING MACHINE CO'S. LINE

The ELDREDGE

The BELVIDERE

High Grade, Right jn Price, Elegant in Finish.

Also Wheels Specially Manufactured under Our Own Brand

THE VALIANT. ✳ THE GIRARD.

Both Comprising All Up-to-Date Improvements.

Prices Right for the Masses.

JUVENILE WHEELS, SUNDRIES.

We want live hustling agents.

Write for Catalogue and Prices.

SUPPLEE HARDWARE CO.

PHILADELPHIA, PA.

Syracuse Agents are Happy People.

Syracuse Cycles Sell Themselves.

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We are Wholesale Agents for

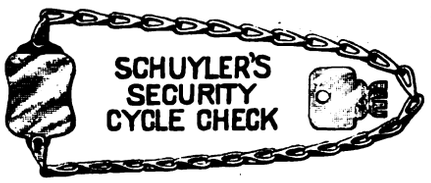
A. Featherstone & Co.'s

For prices apply to

A. M. SCHEFFEY & CO.,

92 Reade Street, New York.

Road King Bicycle.
Road Queen "
Duke "
Duchess "
Prince "
Princess "
Middy "
Midget "



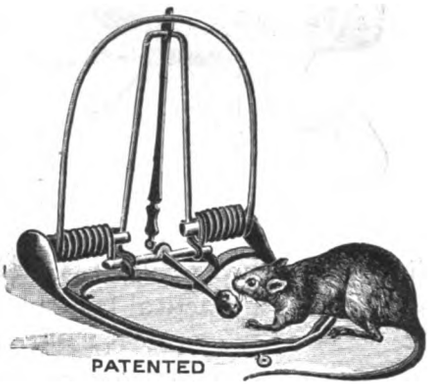
Handsomely Nickel Plated. Light and Strong. Key fastens in lock when not in use. The neatest and most secure Bicycle lock on the market.

Schuyler's New Rat Killer.

DO THEY SELL?

"The only traps that sell on their merit after being used. Send us five gross at once."
Builders' Hardware Co.,
New Orleans, La.

"In six days we sold 126 traps and could have sold 100 more if we could have gotten them."
Omohundro Hardware Co.,
Whitesboro, Texas.



Our traps are adopted and used by the U. S. Government, and by nearly every Museum of Natural Science in the United States and Europe. Easy to set—pull up the spring and it snaps in place. Folds for packing in handsome shelf boxes. Write for circulars and prices. If your Jobber will not furnish them write to us. **Remember, We pay the freight.**

J. R. SCHUYLER & CO., BLOOMSBURG, PA.



THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.
Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.
MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

SOLD BY ALL DEALERS AT A LOW PRICE

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313-315 B'way, New York.

A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

Our Tires Are All Right.

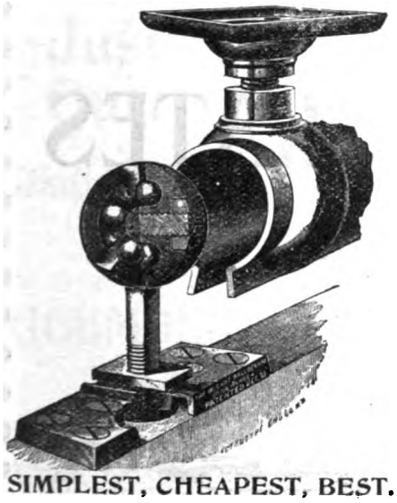
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Single Tube, Double Tube and Detachable Tires.

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McCABE BALL BEARING DOOR HANGERS.

ENTIRELY OF STEEL.



SIMPLEST, CHEAPEST, BEST.

Adjustments above and below the track without removing the door.

After trying this you will use no other.

Send for catalogue or order a set at once and see why it is without an equal.

McCABE MANUFACTURING CO.,
532 to 542 West 22d St., - NEW YORK.



The reward of constancy:

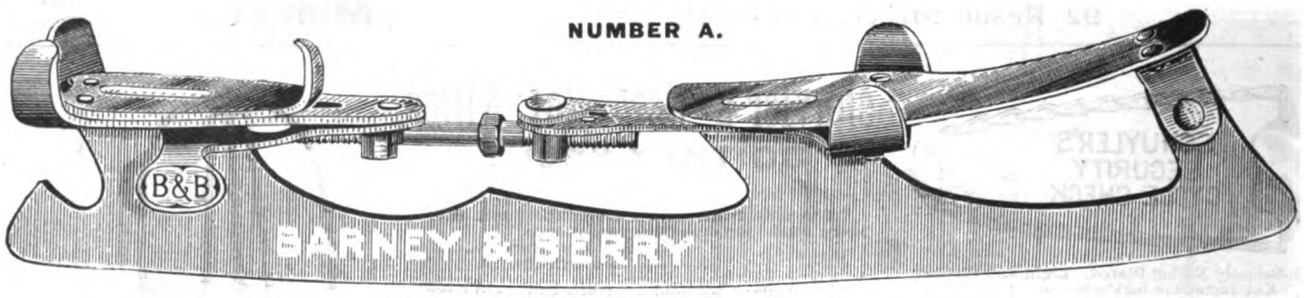
The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

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Barney & Berry's Skates.

Highest Award World's Fair. Also at Vienna, Paris, Philadelphia and many local Exhibitions in different States. . . . .

This Showing Proves We Lead and Always Have.



The above shown Skate is sold by the leading jobbers and is a thorough made skate, with a practical fastening, and is no experiment. . . . . .

The Higher Grades of Our Manufacture are too Well Known to need Mention Here.

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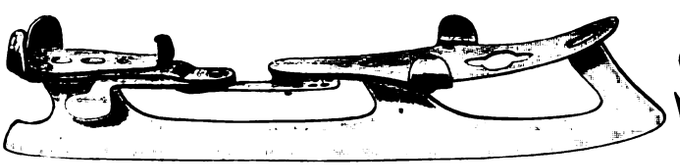


The Name



WINSLOW

MEANS

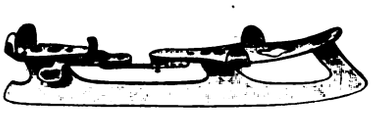


ICE SKATES

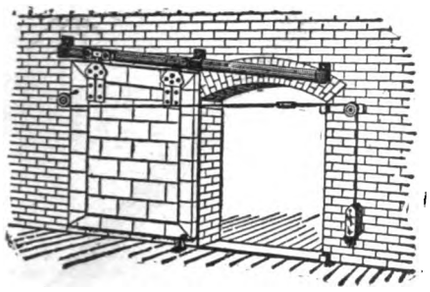
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If so, send for Catalogue and Full Information to







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The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

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We make four styles of ROLLING LADDERS to reach shelving of any height.



McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.



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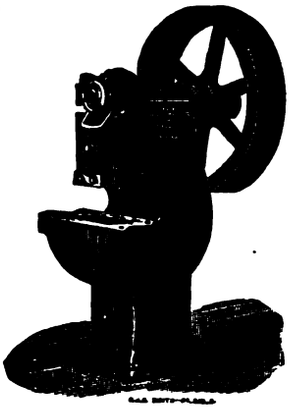
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Power Punches, Forging Presses,
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Special and Automatic Machinery Dies for all classes of work in sheet metals.

Write for Catalogue and prices.

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Manufacturers of

WOODENWARE,

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L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839. Registered March 31, 1874.

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Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

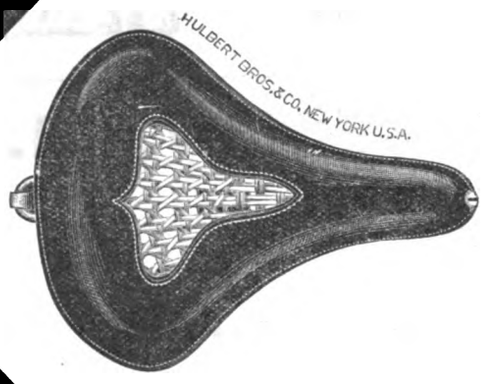
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BICYCLE SADDLE

THAT ALWAYS PLEASES.



Cool,
Comfortable,
Ventilated,
Hygienic.

It costs a little more, but!!!

Price, $4.00.

Liberal Discounts to Dealers.

Send for Catalogue.

Hulbert Bros. & Co., 26 West 23d St., New York City,

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Firearms, Majestic Bicycles, Mesinger Saddles and Sundries.

Pflueger's Electric Bicycle Chain LUBRICANT.

Better quality, lasts longer and is more effective than the many other so-called Lubricants now on the market. . . . . .

Made in Three Sizes.

Ask your sporting goods dealer for

PFLUEGER'S LUBRICANT,

and if he offers you some other brand he calls just as good, refuse it and send your orders to the . . . . . .



Put up in handsome silver foil wrappers and six assorte l colors on a slanting show card with wire brace.

Two cards in a box (1 doz.).

Special Prices to Jobbers on Application.

Enterprise Mfg. Co., Akron, Ohio.

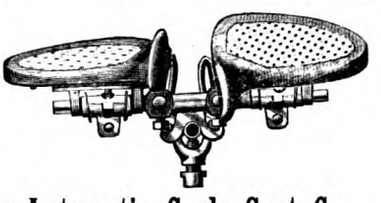
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If you Want the **BEST** Place Your Order With the

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Roger B. McMullen & Co., General U. S. Sales Agents, 139 Lake St., Chicago, and 309 Broadway, New York City. John S. Leng's Sons' Co., 4 Fletcher St., New York City, N. Y. Depot. Elastic Tip Co., 370 Atlantic Ave., Boston, New England Depot. Western Rubber Co., 14 Fremont St., San Francisco, Pacific Coast Depot.



The Automatic Cycle Seat Co.,

GRAND RAPIDS, MICH.,

Have a Saddle that

Physicians and Riders Strongly Endorse.

Send for Particulars.

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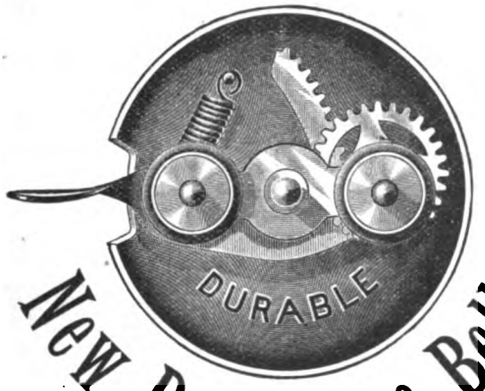
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EIGHTEEN HUNDRED AND NINETY-SIX.

Why Sell Inferior Goods



FIFTEEN STYLES
RETAILING
from
15c. to $2.00
for
1896.



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ARE THE

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When the Best Cost so Little?



NEW PRICES and
PROTECTION
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THE WIDE WORLD OVER.

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Selling Agents,
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ALL INFRINGERS
PROMPTLY PROSECUTED.

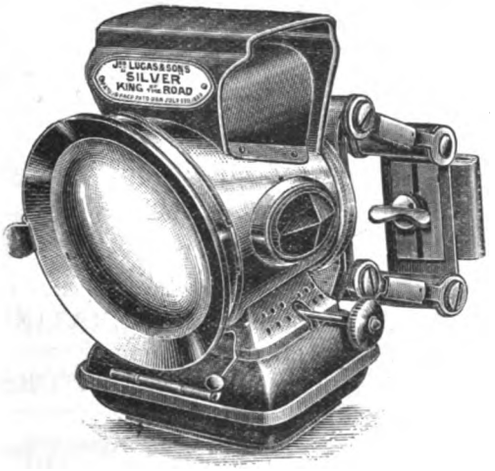
THE NEW DEPARTURE BELL CO.,
Sole Manufacturers,
BRISTOL, CONN., U. S. A.

Why grope your way
When the "SILVER KING" turns night into day?

Lucas Silver King of the Road Lamp

BEST IN THE WORLD.

The SILVER KING will be the Handsomest and Best Light giving Lamp in the market for 1896.



The SILVER KING is the only Lamp with Patent Lens Reflector which not only improves the light but keeps the Reflector Clean.

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All Gems, Nothing But Gems,



FOR THE SEASON OF 1896.



This is the unanimous verdict of over **Thirty Thousand** householders throughout the **United States,** who pronounce the **"Gem"** as the only . . . . . .

Absolutely Safe

Vapor Stove EVER MADE. POWERFUL and ECONOMICAL, using less gasoline than any other Vapor Stove doing the same amount of work. The price is SO LOW that it comes within the REACH of ALL who appreciate the value of a . . . .

Convenient, Labor-Saving Cook Stove.

To All Such We

recommend the GEM, and it would be greatly to the interest of all who intend to handle VAPOR STOVES the coming season to secure, if possible, our line of GEMS for their trade, as we have but one agent in a town.



Gem Gasoline Heater.

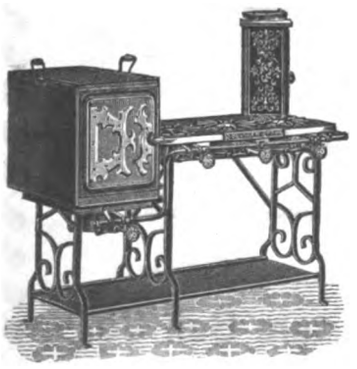
We Make Nineteen

different sizes and styles of the GEM Stoves, including the low JUNIORS, MEDIUMS, FULL SIZE, and a COMPLETE LINE of CABINET RANGES, as well as our celebrated

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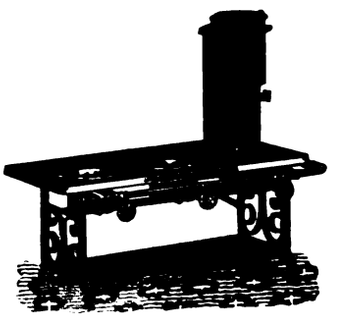
A Word of Caution

On account of the MERITS and GREAT POPULARITY of the GEM STOVES, other manufacturers may seek to IMITATE. REMEMBER that EXPERIMENTS are EXPENSIVE, and there is but ONE GEM, and that can only be made by us, and is covered by Strong, Fundamental Patents, and any attempt to infringe will be Vigorously Prosecuted.



We also continue to make a full line of PROCESS as well as GENERATING STOVES of all styles, together with a Complete Line of GAS RADIATORS, HEATERS, RANGES, etc. . , .

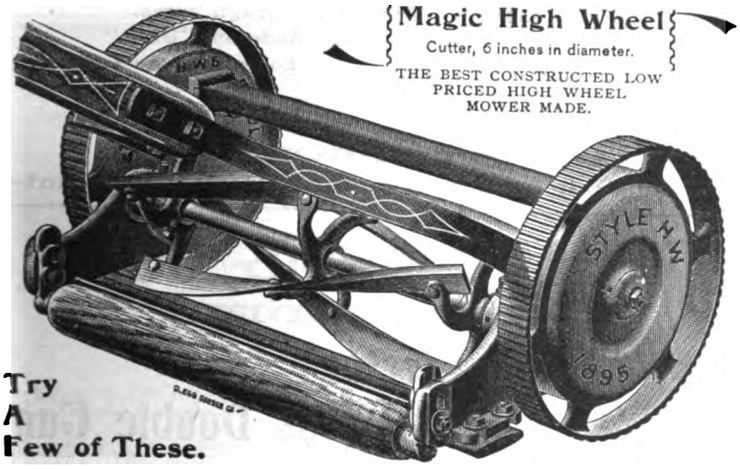
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The Dangler Stove & Mfg. Co. CLEVELAND, O.

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Try A Few of These.

WERE THE

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MOWERS OF THE

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OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

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Magic Low Wheel,	-	8-inch "
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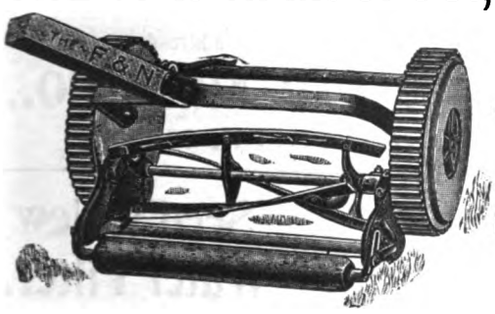
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—Manufacturers of—



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"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

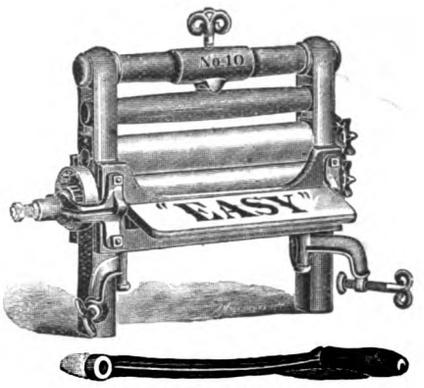
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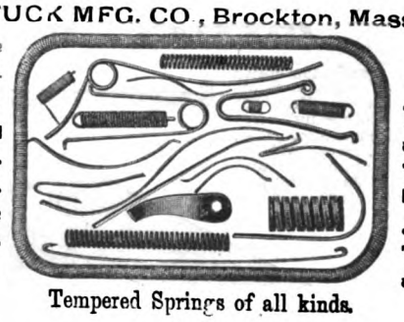
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TRY THEIR DIAMOND BRAND FORKS,

WHICH ARE UNEQUALED.

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Send for Tool Catalogue.

Tempered Springs of all kinds.

TWO PATENTS FOR SALE.

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WE CHALLENGE COMPETITION IN BEAUTY, WORKMANSHIP, SIMPLICITY OF MECHANISM, SHOOTING QUALITIES AND PRICE.

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I am now making four sizes and prices of Faucet Filters instead of three.

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STONE WATER FILTER

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Tripoli Stone Block System.

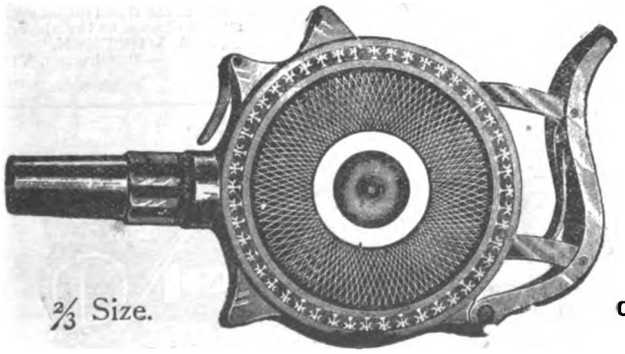
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The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

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⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

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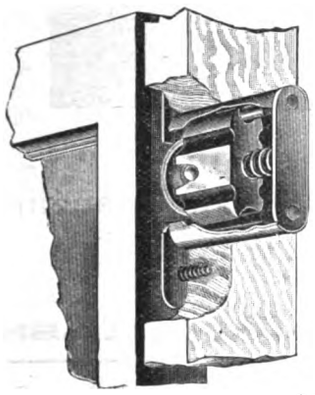
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FOR THE HOME

Have this Spring put in your house. The cost is ½ less than weights and cord. You can easily and quickly adjust it to any window. It don't get out of order.

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This creates a revolution in window springs. Hotel windows raised or lowered with perfect ease.

INDISPENSABLE

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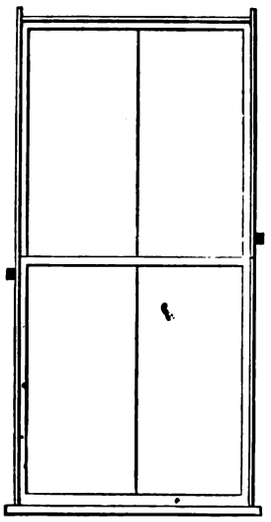
Car windows opened with ease and held at any desired position: no unexpected dropping.

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How easily you can manipulate a Venetian Blind when the Colburn Spring holds it.

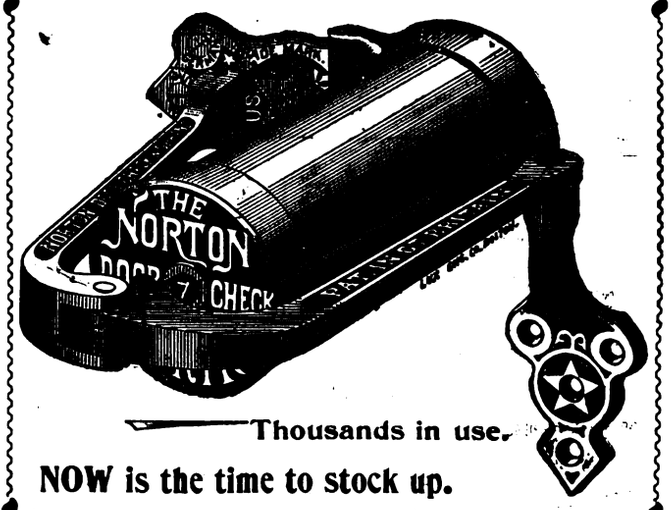
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Thousands in use.

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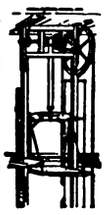
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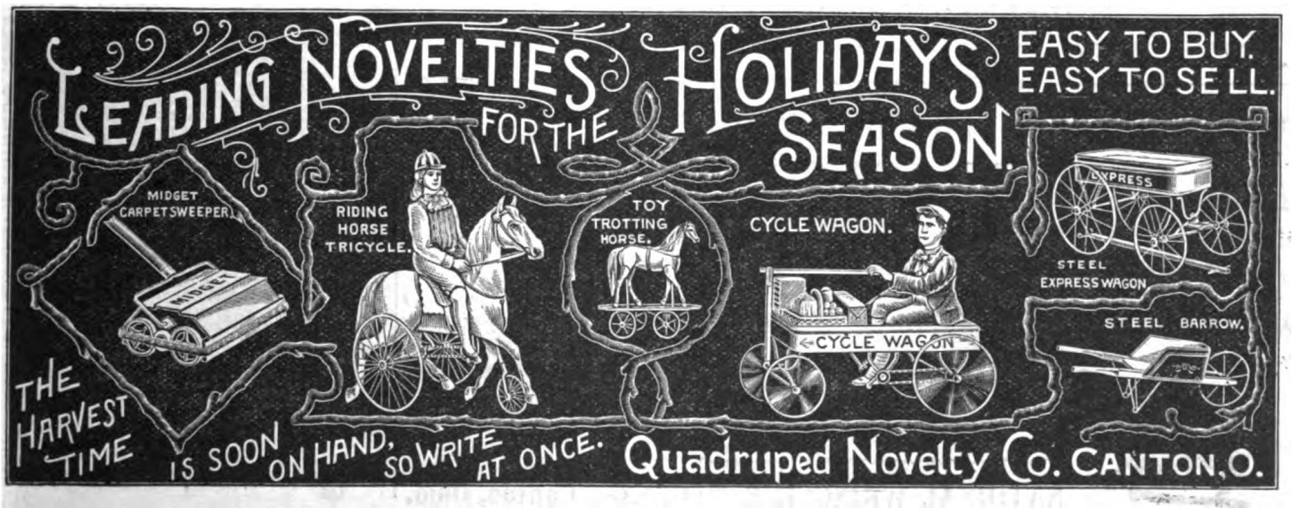
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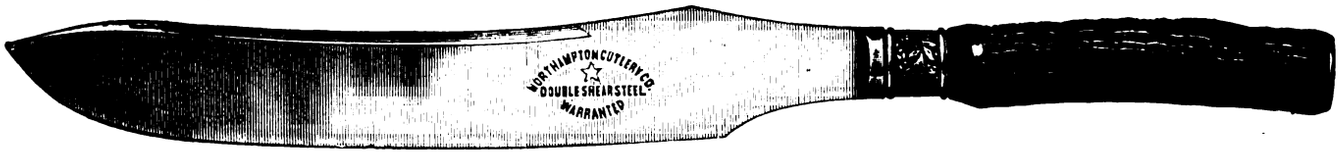
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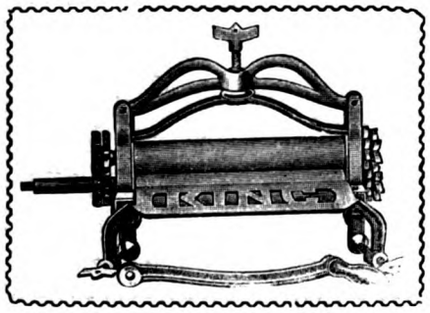
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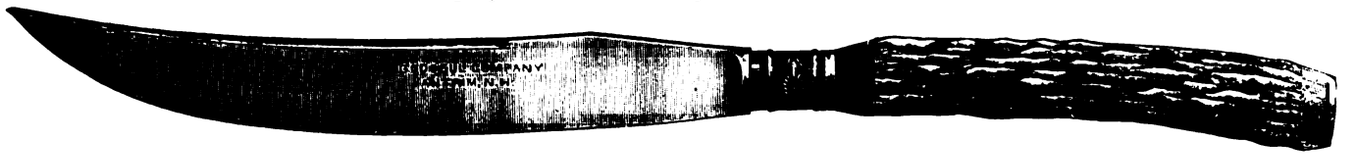
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Our business has grown out of all proportion to any other manufacturer of

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Is that while our goods are unsurpassed in finish and general appearance our special aim has been to adapt them to the purpose for which they are to be used.



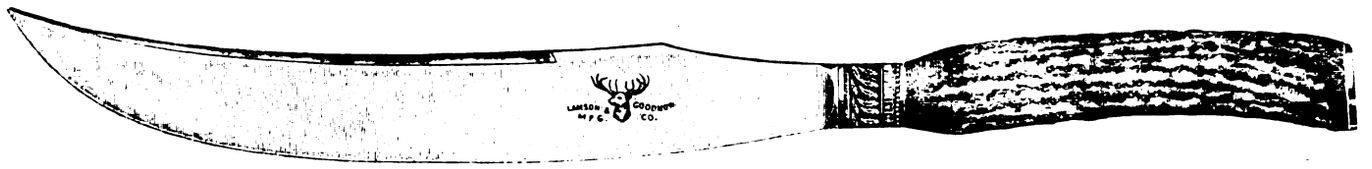
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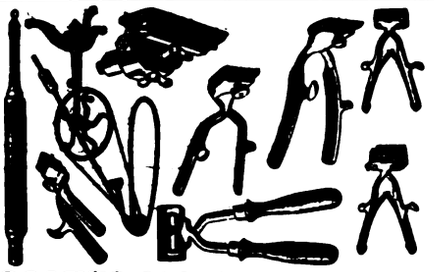
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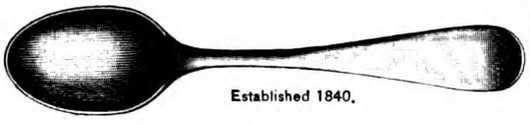
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Manufactured by



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Write for Catalogue and Prices.

No. 21. NICKEL SILVER SPOONS . . AND . . FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

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TABLE "	"	45.00
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Farming Tools sold for New York or factory shipments.
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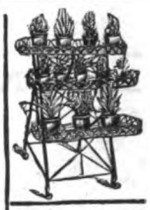
Also SICKELS, PRESTON & NUTTING CO., Davenport, Iowa.

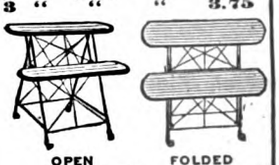
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Folding Plant Stands
Durable Strong and Compact

Can be opened or folded at once. Made of Steel and Wire with wire or wood shelves.

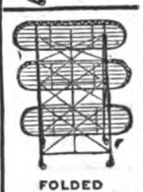
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2 Step Wood Shelves		2.00
3 " " "		2.50
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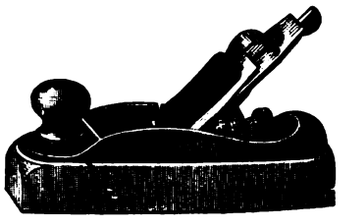
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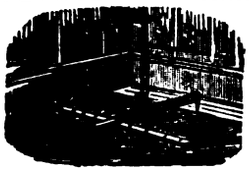
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The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER



and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

ESTABLISHED, 1835. INCORPORATED, 1888.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

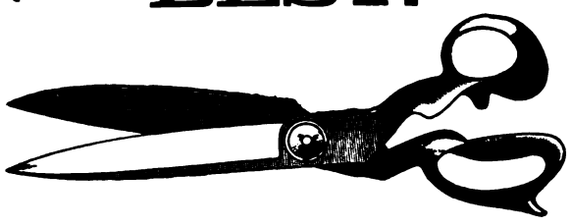
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We have no contract with Messrs. Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



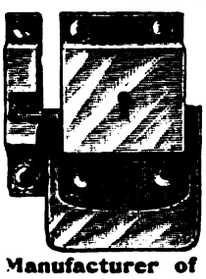
They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easil with this Fastener than any in the market. The Fastener will tighten the door by the door closing It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

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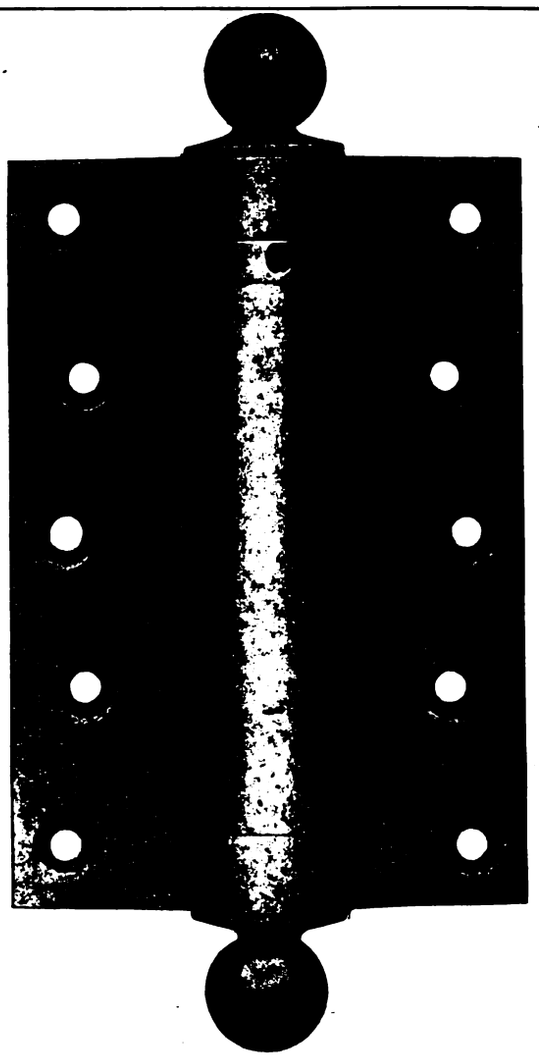
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Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

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☞ BREAD IS THE STAFF OF HU-
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Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

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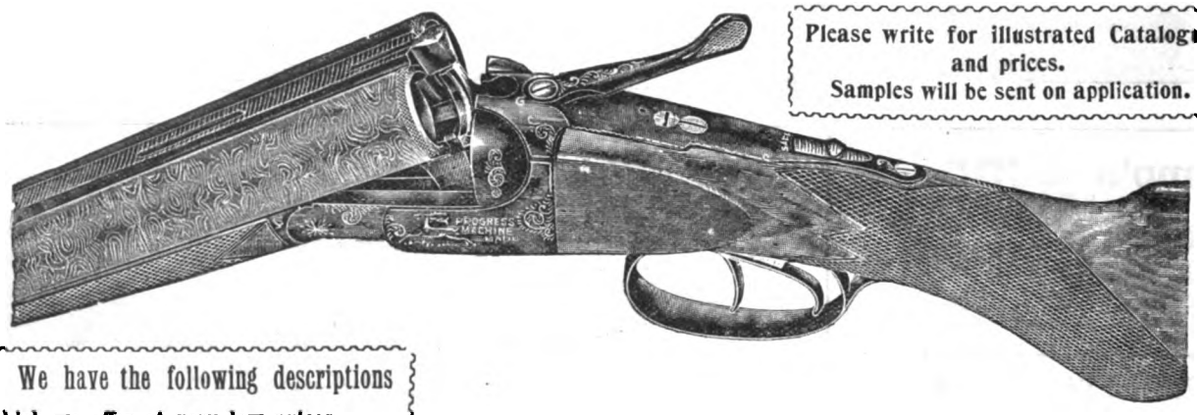
Factory and General Offices, SOUTH NORWALK, CONN.

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Double Barrel Breech Loading Guns.



Please write for illustrated Catalogue and prices.
Samples will be sent on application.

We have the following descriptions which we offer at very low prices.

No. 1309. New Steel Barrels, Blued, Side Lever, Back-action Locks.
N . 2017. Same as above, but **Genuine Twist Barrels.**
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No. 1346. Hammerless Gun, **as above cut. The cheapest Gun in the market.**
No. 1099. Complete Bar, Genuine Twist, English made gun. **Very good, very cheap.**
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It will pay anyone wanting Breech Loaders to write us for Catalogue and prices. We call special attention to a large assortment of **Muzzle Loaders** which we are offering at prices **that will sell them.**

ALFRED FIELD & CO., 93 Chambers Street, New York.

At Last We've Got "'Em," SHARPENERS THAT SHARPEN!

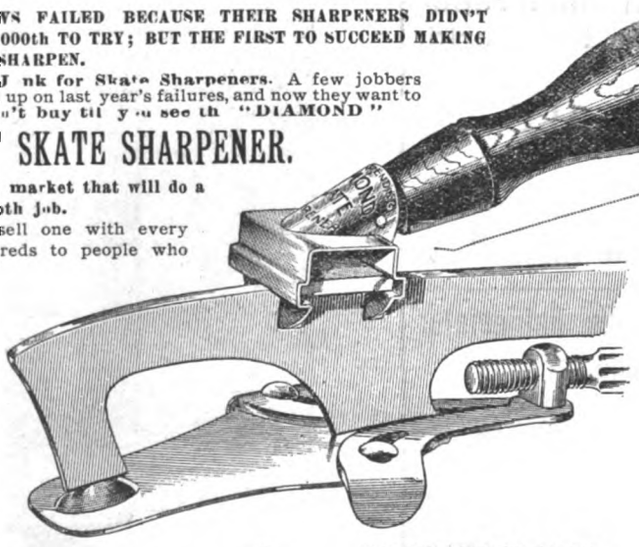
THE OTHER 999 FELLOWS FAILED BECAUSE THEIR SHARPENERS DIDN'T SHARPEN. WE ARE THE 1000th TO TRY; BUT THE FIRST TO SUCCEED MAKING SHARPENERS THAT WILL SHARPEN.

Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. Don't buy till you see the "DIAMOND"

THE "DIAMOND" SKATE SHARPENER.

The only Sharpener on the market that will do a clean, smooth job.

HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.



SAMPLE BY MAIL, 25 CTS.

All our Sharpeners are elegantly nickel-plated and packed one dozen in a box.

SOMETHING ENTIRELY NEW!

Every Boy Sharpens his own Skates.

See that Pivot!

Fits the Curve of any Skate.

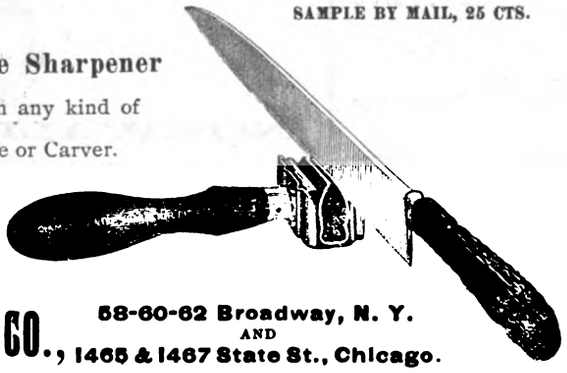
For Sale by the Following Wholesale Hardware Houses:

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Logan, Gregg & Co., Pittsburg.
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Hibbard, Spencer, Bartlett & Co. Wells & Nellegar Co., } Chicago
Simmons Hdw. Co., St. Louis.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.
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The "Diamond" Knife Sharpener

Puts a **keen, lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.

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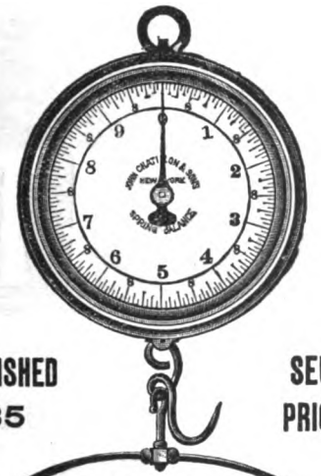
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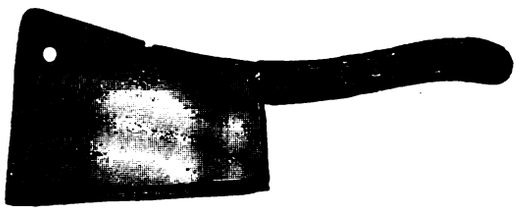
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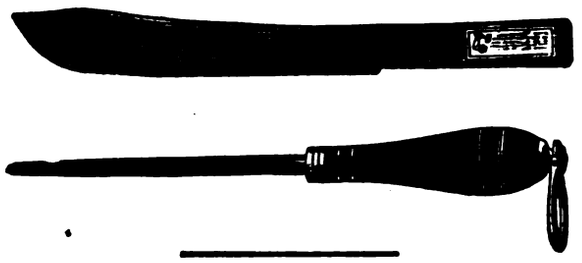
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BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

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German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

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☞ *Mention "Hardware" when you write.*

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THE W. BINGHAM CO.,

146, 148 & 150 Water St., 97 & 99 Superior St., Cleveland, Ohio.

It may be possible to do advertising from which you will never see any results. It is certain that you will never get results from the advertising that you do not do. : : : :

Trying to do business without advertising is like winking at a pretty girl through a pair of green goggles. You may know what you are doing, but nobody else does. : : : :

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ZUCKER & LEVETT & LOEB CO.
OFFICES, 526, 528, & 530 W. 25TH ST.
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SEND FOR CATALOGUE OF
NICKEL & ELECTRO-PLATING
SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Iron



Mason's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails, Roofing, ½ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
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Zinc for Etching purposes
Zinc Stove Boards

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Manufacturers of

Bench Vises.

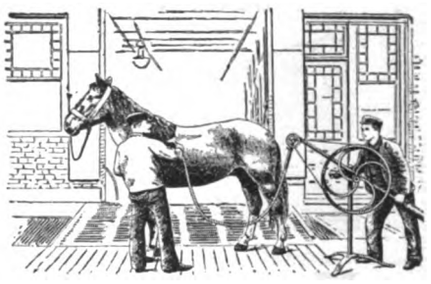
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Hand, Bicycle, Electric and Steam Power.

MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.

The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST and most DURABLE MACHINE made.

The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE

FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade. Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

Gillette Clipping Machine Co.,

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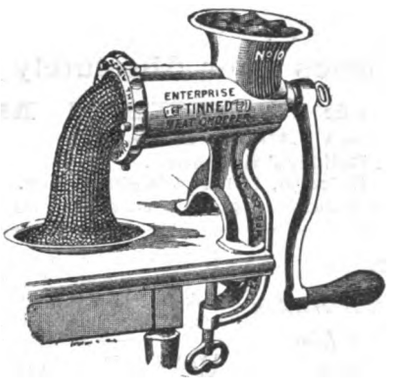
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PRICE $7.50.

Meat Chopper,

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NO. 10. . . . . LARGE FAMILY SIZE. . . . . PRICE, $3.00.

. SAUSAGE . STUFFER AND LARD PRESS.



NO. 25---4 QUARTS.

PRICE, $5.00.

. . . . ALL THE LEADING JOBBING HOUSES SELL THEM. . . . .

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THE ENTERPRISE M'F'G CO. of PA., Philadelphia, U. S. A.

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MANUFACTURERS OF

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We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.

BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.

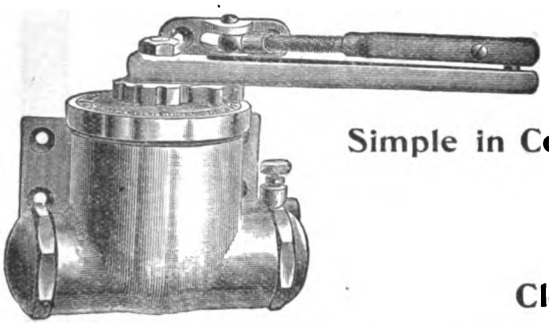
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.

BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.

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BLOUNT DOOR CHECK.



A PERFECT DOOR CHECK AND SPRING.
Correct in Design.
Positive in Operation.
Simple in Construction.
Easily Attached.
Perfect Adjustment.
Easy Action in Opening.
Closes Door Absolutely without Slam.

THE YALE & TOWNE MFG. CO.,

SALESROOMS:

New York, 81-86 Chambers St. Buffalo, Builders' Exchange. Boston, 224 Franklin, St.
Philadelphia, 1120 Market St. Chicago, 151-154 Wabash Ave. San Francisco, Mills Building.
General Offices: 280 Broadway, New York. Works: Stamford, Conn., Branford, Conn.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—Profitable side line. Salesmen calling on Hardware trade can make big money for next two months. A strictly holiday specialty. Address QUADRUPED NOVELTY CO., Canton, Ohio.

HARDWARE SALESMAN—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address BALTIMORE JOBBER, care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care HARDWARE, No. 143 Chambers Street, New York.

BY a prominent Hardware house, a first-class clerk who understands the builders' department competent to take a leading position; good address and able to give the very highest references. Address "Builders' Department," care of W. B. Fox & Bro., No. 97 Chambers Street, New York City.

WANTED—A good tinner. One who thoroughly understands roofing, spouting, job work, and heating by hot air and by hot water. Must be an American and temperate, and not over forty years of age. State wages for nine hours' work. Steady job for the right man. Address Geo. Rome & Co., Carnegie, Pa.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

WANTED position in wholesale or extensive retail house, by young married man, with about ten years' experience in retail store. Will be ready March 1st. Iowa preferred. Am good mechanic, and expect to work. Address W. L. J., care HARDWARE, No. 143 Chambers Street, New York.

A LADY, two years of careful experience in a large retail Hardware store, general lines, wishes situation. City preferred. Will work two weeks on trial. Can assist in office work if desired. Address MISS REOME, Warren, Ind.

POSITION wanted with large house by practical builders' Hardwareman (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa., Harriett & Kelly, East End.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

BY young man, 23 years of age, sixteen years' experience in Hardware, butchers' and grocers' supplies. Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street New York.

HARDWARE salesman, sixteen years' experience wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty ninth Street, New York.

WANTED a position as buyer of mill supplies and assistant manager of help with a manufacturer, by an American, 38, with sixteen years' practical experience. A1 references. Address "Buyer," care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, 30 years old, twelve years' experience as salesman, desires a position in the Hardware, cutlery and sporting goods lines-well-known to the New York and Eastern buyers; good testimonials. Address L. E., care HARDWARE, No. 143 Chambers Street, New York City.

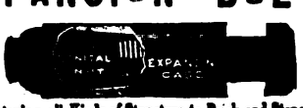
WANTED—A position by a young man as traveling salesman who has an established trade in the Middle Western States. Thorough knowledge of tin-plate, files and rasps, builders' Hardware. Salary or commission and expenses. Address "SALESMAN," HARDWARE, No. 143 Chambers Street, New York.

THOROUGHLY competent and experienced traveling salesman wishes to correspond with some Jobbing house that will recognize hard work and push. Correct habits and best of reference from present employers as to ability, integrity and business capacity. Address "Competent," care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, 21, having had over four years' experience with two well-known New York concerns in the builders' Hardware and ornamental iron manufacturing business, desires similar occupation, or anything which requires a quick and accurate figurer and writer. Best of reference. Address A. B. H., No. 39 East 106th Street, New York City, N. Y.

ENGLISHMAN (27) requires situation as traveler—commission or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue Toledo, O

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Situations Wanted.

YOUNG man, 27, desires position as Bookkeeper, correspondent, collector or salesman. Good references. Address J. C. H., P. O. Box 307, Newark, N. J.

WANTED—A position as retail Hardware clerk by a young man of 24 years of age, with five years' experience and best of references. A position in Southwest Missouri, Texas or the South West preferred. Address W. Lasar, No. 3004 Olive Street, St. Louis, Mo.

A GOOD pushing live salesman with practical knowledge of patented novelties, would like position either to handle agents or personally introduce new goods. Address R. D. R., No. 480 Washington Avenue, Brooklyn.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

POSITION as salesman for tin-plate and metal house, by an American, who has had some eighteen years' experience at the Hardware, stove and tin business. Have full knowledge of the tinner's trade. Desires position with some good tin-plate and metal house. Will work to their interest, too. Am 34 years old. Let me hear from you what you can offer. Address G. H. S., Box 332, Madison, Ohio.

Side Line Wanted.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter houses. Best of reference if required. Address W. S. BUCHANAN. Oakland P. O., Louisa County, Va.

GOOD selling specialties wanted to handle in western New England. F. E. WHEELER, No. 476 Main Street, Springfield, Mass.

WANTED by traveling salesman for a large Hardware house, a side line of pocket cutlery, scissors, etc., visiting New York towns and cities. Address L. K. Wadsworth, South Butler, Wayne County, N. Y.

Side Line Offered.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

WANTED—Salesman to handle as a side line, a first-class line of pocket cutlery and scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address L. M. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED salesman to handle as a side line a first-class line of Pocket Cutlery and Scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address R. S. T., care of HARDWARE, No. 143 Chambers Street, New York.

SALESMEN in every State wanted to take as a side line a patented article on commission. Goods sold at sight and are demanded by all classes. For particulars, address T. MFG. Co., Box 7, Malden, Mass.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co., Canton, Ohio.

SALESMEN that canvas the retail Hardware trade in New York, Pennsylvania, Ohio, Michigan and Indiana, and want a good side line, address, stating territory covered and class of goods now selling, "Side Line," office of HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesman to take a good line of white metal spoons and forks and other novelties as a side line on commission. Call or address M. L., Room 1, No. 221 Fifth Avenue, Chicago, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

Hardware Store Wanted.

TO purchase a retail Hardware store with a moderate sized stock, having a good location in a live, growing town. Must have a good trade, and doing a good business. Address JOHN R. SWARTZ, Hughesville, Pa.

For Sale.

FOR SALE—The stock, fixtures and good-will of a Hardware store and bicycle business in a Western city of 60,000 inhabitants. Capital required, $20,000 to $25,000. All or part of the business will be sold. Address W. B., care HARDWARE, No. 143 Chambers Street, New York.

FOR SALE—In one of the best manufacturing towns in Ohio, a stock of Shelf and Builders Hardware, Paints, Oils, and Agricultural Implements; stock will invoice $17,000 to $19,000; clean and in good shape. Store does a business of $40,000 per annum. Apply to T. B. Rayl Co., Detroit, Mich.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

For Sale or Rent.

A NEW, large manufacturing plant, hitherto used in manufacturing reapers and mowers, but well adapted to other uses; thoroughly equipped wtth machinery, tools and appliances of best modern make, all ready to steam up and run; at St. Louis Park, just outside of Minneapolis, Minn., with street car connections; the property being situated alongside of the Minneapolis & St. Louis, and Chicago, Milwaukee & St. Paul railroads with switch connections. For particulars address Geo. C. Squires, St. Paul, Minn.; C. F. Forster, 638 Rookery, Chicago, Ill., or John Little, Xenia, Ohio.

To Let.

A FIRST-CLASS modern style Mercantile Building, just finished, on Superior Street, Cleveland, Ohio; centrally located; suitable for Dry Goods, Furniture, Crockery, Hardware or other merchandise, specially adapted for a large Department Store. Also so arranged as to be subdivided and leased to two or three tenants. Building is 67x150 feet to another street; 8 stories above a high and well finished basement; floor space about 78,000 square feet; passenger and freight elevators; steam heating; electric lighting. For further information apply to J. G. W. COWLES, No. 140 The Arcade, Cleveland, Ohio.

A DESIRABLE office to rent with the Wilmot & Hobbs Mfg. Co., No. 2 Murray Street, New York. Steam, heat, electric light and telephone.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

Attention! Hardware Travelers!

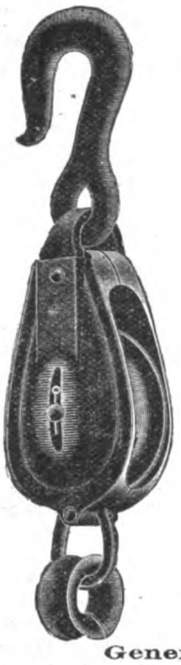
HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Quotations Wanted.

THE Mechanical Rubber Co. (successor to the Cleveland Rubber Co.), Cleveland, Ohio, wish quotations on Hose Fittings, Clamps, Bands, Reels, Specialties, etc., for the 1896 trade.

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THE
CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCKS ON EARTH.

UP TO DATE.

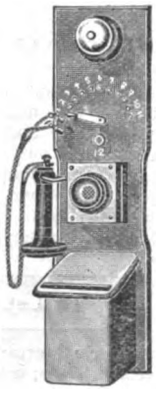
Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

General Agents:
Topping Bros., New York.
Boston & Lockport Block Co., Boston.
Woodward, Wight & Co., Ltd., New Orleans.
Miller, Sloss & Scott, Inc., San Francisco.

TELEPHONES

For Your . . .

Factories,
Stores,
Offices
and
Exchanges.

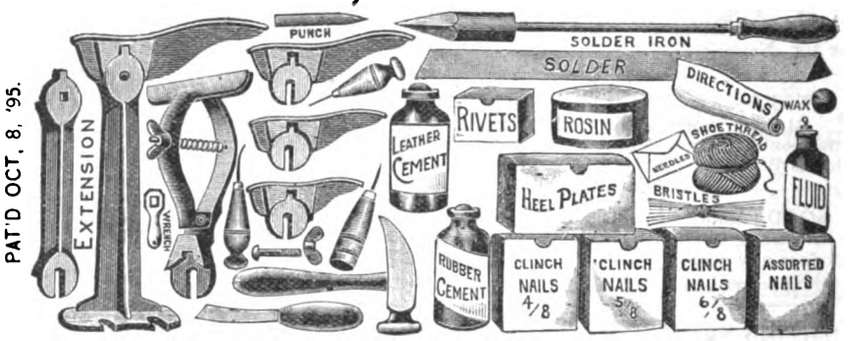


We make the
BEST

Send for Our
Catalogue.

The Union Electric Co.,
15 High St., Cleveland, O.

NOT LUXURIES, BUT NECESSITIES.



That's what are our **Home Repairing Outfits**
and that is why **Every Farmer Wants One**
They're going like Hot Cakes, and will make you money, sure.
Write for prices and full description.

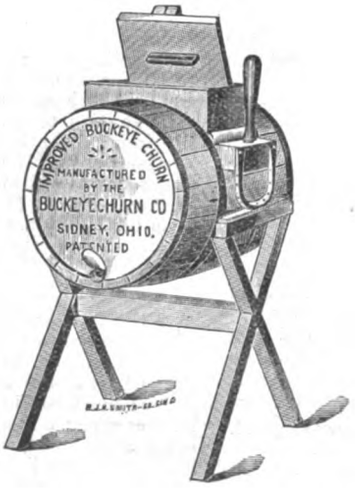
The ROOT BROS. CO., Sta. J, Plymouth, Ohio.

W. W. PRYOR HARDWARE MFG. CO.
(Successors to M. ENWACHTER).
Manufacturers of . . . . 23 Ashland St., NEWARK, N. J.

TOOLS AND SPECIALTIES,

Spring, Revolving and Conductors' Punches, Foster Door Springs, Screw Drivers, Nail Sets, Counter-Sinks, Pinking and Curling Irons, Gimlet Bits, Tracing Wheels, Box and Wall Scrapers. . . . . .

N. Y. Office and Sales Room: W. W. PRYOR & CO., 81 Chambers St.



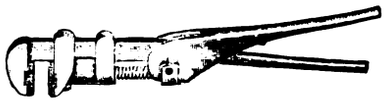
THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.
For Catalogue and prices address

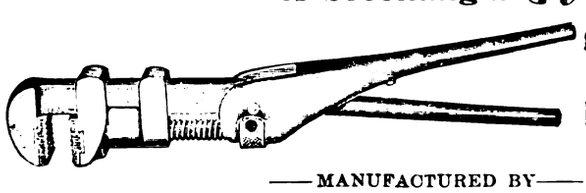
Buckeye Churn Co.,
Sidney, Ohio.



This Wrench



Is becoming a general favorite among Steam-Fitters, Jobbers and Plumbers.



—MANUFACTURED BY—

Wright Wrench Co.,
28 Bellevue St., Worcester, Mass.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—$ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890. 40&10& 10@40&10&10&10 & 5%

GUN WADS—$ 1000—
B.E., 11 up.60c..B.E., 9&10...70c } 25&10&2%
B.E., 8.....80c..B.E., 7.....80c.. }
P.E., 11 up.1.00..P.E., 9&10..$1.25 } 25&10&2%
P.E., 8....1.50..P.E., 7.....1.50 }

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags $ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, $ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, $ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, $ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, $ bag.....$1.55
Buck and Chiled Shot, 5-lb bags, $ bag.....$ .35
Dust Shot, 25-lb bags, $ bag....$2.00
Dust Shot, 5-lb bags, $ bag ....$ .50

POWDER—
Laflin & Rand:

Rifle extra, kegs	25 lb	$3.25
	12½ lb	1.90
	6¼ lb	1.10
Rifle special, kegs	25 lb	4.25
	12½ lb	2.40
	6¼ lb	1.35
Creedmoor, kegs	6¼ lb	1.10
Ducking, kegs	6¼ lb	3.00

[For 1 lb lots 10% discount.]

Blasting and Mining, A.	25 lb	2.00
Blasting and Mining, B.		1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each 45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos 1, 2 and 3, in Kegs, 5 lb.....$8 00
Eagle Duck Shooting, Nos. 1, 2 nd 3, in Kegs, 1½ lb.....4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb.....2 25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb.....2.75
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb.....1.65
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb.....95
"V. G. P." for Trap Shooting, in Kegs 25 lb.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb.....1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black.....1.70
Drum, equal in bulk to 10 lb, best black.....8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....$ doz. $3.80
Gallen Safety.....$ doz. $3.75
Hartman's Pivot.....$ doz. $4.75

Anvils—

Eagle Anvils, $ lb 9c.....15@15&5%
Peter Wright's.....1 @10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9 @9½c
American "Horse-Shoe".. 9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4 00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16	24-16	
$10.00	$11.00	$12.00	$14.00	

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist.....45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓&
Clark's small, $18.00.....40@40&5%
Ives' No. 4, $ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2. $48....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Diamond $ doz. $1.25.....45&10%
Double Cut, Shejardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, $ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal.50&10&5@60&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@40&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg $ gr.....$1.50@$1.55
Pat. Peg $ gr.....85@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. $ gr...$1.30@$1.40
Handled Brad, $ gr.....$2.50@$3 00
H'ld Scratch $ gr.....$4.00@$4.50
Socket Scratch $ doz....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 $ doz. $7.50; No. 20, $ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands $5.25@5 50
First quality, other " $4.75@5.00
Beveled add 50c $ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 lb. ....$ doz. 80c net.
Circular Spring Balances.....50&10%

No.	2000	20	30
Chatillon's $ doz.	75c	83c	$1.65 net
Chatillon's Spring Bal.			50%
Chatillon's Cir. Sp'g Bal.			60%
Ice.			50&10%

Beef Shavers—

Enterprise.....25%

Bells—

BAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's.....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...66⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.:
" Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..$ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....$ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 $ doz.....30%
Millers Falls $ doz. $4.50.....

Bit Holders—

Extension:
Millers Falls Barber's, $ doz. $15 40@40&10%
Ives' $ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..$ doz. $3..33⅓@33⅓&10%
Excelsior..$ doz. $10.00...50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls $ set $1.00.....20%
Austin & Eddy $ gro. sets.....$5.50
Gorhans Improved Star Tenon $ gro. $1.00.....35%
Mackerell's, $ doz. $1.00..20@20&10%
Merriman's Brass Lever $ gr. $15.00
Merriman's Iron Lever $ gr...$9.00
Security Gravity $ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate $ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Mal. Iron.60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list 30%
Wr't Shutter, all iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &c.—
Com. Jan. 30, '95.....65&12½%
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila., Eagle, list $2.40.....80%
R. B. & W., old list.....70&10&2%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....70&10%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....70%
B. R. & W., list Oct. 16, '94.....80%

STOVE AND PLOW—
Stove.....70%
Plow.....60&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....70%

Bone Mills—

Enterprise.....30%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'	5.50	6.75, 50& 50&5%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50 ....
Millers Falls		7.50 .... 25%

Bow Pins—

Humason, Beckley & Co.'s.70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co.60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American.$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30..... 60%
Nos. 117, 118, 119.....70@70&7%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....80&10%
Reading, Rosette.....70&5%
Hand Rail.....80&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....30&10%

Butts—

BRASS—

Wrought Brass.....80&10@30&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Cortlin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son..40%
Norwich Lock Mfg. Co. Bronze..30%

CAST IRON—

Fast Joint, Narrow, 50@10&5@30&5%
Fast Joint, Broad 50&10@50&10&10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@80%
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@75&5%
Loose Pin, Acorns, Jap.70&10@75&5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....5&10@30%

WROUGHT STEEL—

List, April 1, 1895.

Narrow, No. 800.....
Narrow, Loose Joint, No. 802..
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 825.....
Extra Light, No. 826.....
Light Reversible, No. 834.....
Light Loose Joint, No. 836.....
Wardrobe, Ger. Pat. No. 837⅓.....
Light Narrow, No 838.....
Loose Pin, Light Nar., No. 840.....
Light Inside Blind, No. 842....
Light Inside Blind, Beveled Edge, No 848.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Hole, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 833.....

} 75&5@75&10%

Can Openers—

Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, Iron Handle.₩ gr....$2 20@2 25
Eureka.....₩ doz. $2.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star.....₩ doz. $2.75
New Sprague, Metallic Handles, ₩ doz.....50c
New Sprague, Wood Handles, ₩ doz.....60c
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....55&5%
Domestic, ₩ doz. $3.00.....45%
Champion, ₩ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@25%
Cotton.....2@25%
Wool.....2@25%

Carpet Stretchers—

Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points.₩ doz.75@80c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27.00
Hall.....₩ doz. $48.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, silver bronze trimmings, ₩ doz.....$20.00
Crown Jewel, nickel trimmings ₩ doz.....$21.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Standard.....₩ doz. $24.00

Bissell Carpet Sweeper Co. make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Casters—

Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&10%

Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50%
Yale Gem.....70&10%
Giant Truck Casters.....35%
Stationary Truck Casters....50&10%
Socket Truck Casters..45&10@ 5& 10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screw Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%

COW TIES—

American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

American Coil, in cask lots at fact

3.16	¼	5-16	⅜	7-16	½	⅝	¾
$6.75	8.00	4.00	3.75	3.50	3.40	3.20	3.15

Less than cask lots, add ¼c @ ½c ₩ lb.
Trace, Wagon and Fancy Chains, 60&10&10@70%
Covert Mfg. Co.....45%
German Coil.....70@70&10%
German Halter Chain....70@70&10%
Onelda Halter Chain.....60@60&10%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&5%
Covert Mfg. Co. Chains.....45%
Galvanized Pump Chain, with Buckets.....6¼@3½%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 80&5@80&10%

C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to £
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ₩ lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each 8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks.....5%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....35&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 50&10%
Carriage Makers', Sargent's..50& 10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .... 2?&10%

Cleavers—

Foster's.....30%
Jennings & Griffin 40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$8.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse). 3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..10&10& 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&16@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's 33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson .....₩ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N R. G Gloves...₩ doz. $13 00
No. 025 Gloves.....₩ doz. 4.50
No. 125 Gloves.....₩ doz. 6.00
No. 150 Gloves.....₩ doz. 9 00
No. 155 Gloves.....₩ doz. 8.00
No. 146 Gloves .....₩ doz. 9.00
No. 152 Gloves.....₩ doz. 7.50
No. 142 Gloves.....₩ doz. 7.00
No. 128 Gloves.....₩ doz. 6.00
No. 052 Gloves.....₩ doz. 8.00
No. 147 Gloves.....₩ doz. 4.50
Wrist Supporters.....₩ doz. .75
No. 160 Husking Pin..₩ gro. 7.00
No. 165 Husking Pin..₩ gro. 10 50
No. 170 Husking Pin..₩ doz. 2.00
Hubbard's Solid Steel.₩ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ₩ doz. $2.00; E, $1.75.....6%
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $5.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....30%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Spring, Jap'd ₩ doz. $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber, ₩ doz. $7.00.....20@10%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. $1.75
F. E. Kohler & Co.'s Humane ₩ doz. $1.60
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.35
5½ 6 7 inches
$1.38 $1.50 $3.00, doz.....40&10%
Nickeled Shank 4 4½
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

SPARK COIL—

Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—

Torrey's Rod, 39 in, ₩ doz $1.20@1.25
Bee Rod ₩ gr., $20.00.....20%
Warner's.....55@55&5%
Gem (Coil), list April 19, 1886. 25&10%
Star (Coil), list April 19, 1886.20&10 &10%
Foster's (Coil).....20%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ₩ doz. $5.50. 66⅔@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 80&80&10%

Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White.....20&5@25%
Bradley's.....25%
Adjustable Handle.....25@33⅓%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1.75
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $3.00..25%
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....20@30&5%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1.85
Stearns' Bench.....50@50&10%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
National .....₩ gro $1.50
Paine, Diehl & Co.'s Keystone..33⅓%
Dover (Standard Co.)....₩ gro $9.50
Dover Extra Heavy (Standard Co.) ₩ doz $2.50

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ lb..45c	5c	8c	
½ kegs, ₩ lb.45c	5½c	8½c	
¼ kegs, ₩ lb. 5c	5½c	8½c	
10 lb cans, 10 in case.... 6c	6½c	8½c	
10 lb cans, less than 10.. 10c	10c	8c	

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....70%

Enameline—
No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
(XL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—
Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt ...	$3.00	$3.50	$4.00
Dairy Pails, 14 qt..	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire.....	3.40		
Prison Pails, 16 qt (with cover)	6.50		
Buggy Pails, 7 in. high.	2.60		
Sugar Pails, with cover	4.50	5.00	
Horse Pails (short, wide and heavy)..	3.70		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.....	4 50	5.50	6. 0
Commode Ring, (extra for Slop Jars, etc.)...	1. 0	1.7	2.00
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2. 0
" (13½ inch)	1. 0	2.30	2.70
Wash Basins, 15 in., (or Wash B wls, ...	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4 00
Pitchers, 10½ in nigh..	4.00	4.70	5.20
Milk Pans.....	1.50	2.00	2.20
Fruit Bowls.....	1.20	1.70	2.10
Keelers, 11½ inch.....	2.30	2 80	3.10
Waste Paper Jars.. ...	3.00	4 00	4.50
Mats, 8½ inch (for table use)	.70	1 00	1 20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Cuspidors, 9x7½ inche , (anti-tip-over).....	5.50	6.50	7.00
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Peck Measures.....	2.80		
Half Peck Measures...	2.50		

Files—
DOMESTIC—
Best Brands.....60&10&10@70%
Good Brands.....70&5@75%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&10&10%
IMPORTED—
Stubs.....Stubs' list, 25&30%

Filters—
Seed's Water Filters:
A 1, $4.50 | No. 2, $3.00 | No. 3, $1.75 | No. 4, $1.00 ₩ doz.

Fish Hooks—
Amer. Fish Hook Co. list..60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fluting Scissors—
List.....45%

Forks—
Hay, Manure, &c., Asso. List....75%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....65%
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—
Standard List:

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—
Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch .....25&10%
Bemis & Call's Steel..... .....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....30%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....25%
Wire, Brown & Sharpe's.....10@20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
" Eureka" Gimlets.60&10@60&10&5%
" Diamond " Gimlets ₩ gro....$4.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
" Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—
Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid.....25@30%

Glue Pots—
Tinned.....50@50&10%
Enameled.....50@50&10%
Family, Howe's " Eureka ".....40%
Family, L. F. C.'s " Handy ".....50%

Graters—
Enterprise.....25%

Grindstones—
Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—
Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P., S. & W. Co.....50&10&10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—
See Ammunition.

Hafts—
Britton's.....₩ doz. $6.50

Halters—
Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters..... 33⅓%
Web and Rope Halters...33⅓&5%
Horse and Cattle Ties.....33⅓&5%
Upson & Wooding.....40%

Halter Leads—
Covert Mfg. Co.....45%

Hammers—
HANDLED HAMMERS—
Maydole's.....25&1 @25&10&10
Buffalo Hammer Co.... } 50&10@60%
Humason & Beckley... } 50&10@60%
Atha Tool Co..... }
C. Hammond & Son. List..40&10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75 .....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₩ doz..... Nos. 1, $3; 2, $6..... .....33⅓%
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb...₩ lb 40c
3 to 5 lb.....₩ lb 36c } 75@75&5%
Over 5 lb.....₩ lb 30c
Wilkinson's Smiths...10c@10½c₩ lb

Hammock Ropes—
Covert Mfg. Co.....45%

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.08	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@50&10&10%
Roggin's Latches ₩ doz.....28c@33c

STORE DOOR HANDLES.—
Japanned Nuts.....$1 62
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc .....50&3%
Brad Awl .....₩ gr. $2.00
Hickory Firmer Chisel, as ₩ gr 4.50 } 40&10%
" Firmer Chisel, large ₩ gr 5.00 } 40&10%
Apple Firmer Chisel, as.. ₩ gr 5.00 } 40&10%
Apple Firmer Chisel, large ₩ gr 6.00 } 40&10%
Socket Firmer Chisel, as. ₩ gr 3.00 } 40&10%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75
Auger, assorted ...₩ gr 5.00 } 50%
Auger, large.....₩ gr 7.00 }
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.60&10@60&10&10%

CROSS-CUT SAW HANDLES—
Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion .....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—
Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $26.00; No. 4, $35.00.. .....70%
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction.60&10@60&10&5%
Duplex (Wood Track).....60&10&5%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety..... ...60&5%
Terry's Solid .....60&10&10&5%
Terry's Wrought..... 60&10&10%
Munger Hanger ..... 20&10%
Davis Parlor Door ..... 50@50&5%
Cronk's Steel cov'd Anti-Fric...60%
Cronk's Acme, Flat Stee ₩ doz $7.00..... .....75%
Queen City Reversible...75&10&5%
Felix, ₩ set $4.50..... .....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10@25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....60@50&5%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&5@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—
Lightning, from jobbers.$6.50@$7.50
Gem.....₩ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T.....80@80&10%
Corrugated Strap and T..80@80&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. } 6 to 12 in., ₩ lb 3 c; 14 to 20 in., ₩ lb 2 ½c; 22 to 36 in., ₩ lb 2 c
Rolled Blind Hinges Nos. 32 and 34 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....70&10&10&10%
Plate Hinges "Providence" 6 to 12 in. ₩ lb, 5c. 14 to 36 in. ₩ lb, 4c.

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise 55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
American.....20%
Empire and Crown.....20%
Stover Ideal ₩ gro.....$13.0
New Idea, No. 1, ₩ gro.....$12
New Idea, No. 2, ₩ gro.....$24.
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting..... ...25%
Union Mfg. Co.....25%
Bommer's 35%
Buckman's.....25%
Chicago.....30%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $18.00
Devore's No. 1.....₩ gr. $13.00
Rex.....₩ gr. $13.00
Royal Japanned.....66⅔%
Royal Bronze.....45%
Reliable.....60%
Champion 60%
Matchless No. 10.....70%
Victor..... .....₩ gr. $10.00
Torrey..... .....80%
Rubber..... .....66⅔%

GATE HINGES—
Western, ₩ doz $4.20, 60&10@60&10&5%
N. E...₩ doz $7.80, 60&10@50&10&5%
N. E. Reversible..₩ doz $5.60, 60&10@60&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..₩ doz $4.90, 60&10@50&10&5%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3.60&10@60&10&5%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.... .....75&10%
Palmer.....50&10&10%
Seymour.....70&2%

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Nicholson.....45&10%
Huffer.....60&10@60&10&10%
Clark's Nos. 1, 3, 5, 40 and 50.75&10 &5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75 10%

Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1¼, 2, 2¾, 3.....75&10&2½%

Hitching Cords—
Covert Mfg. Co.....45%

Hoes—
HANDLED—
Garden, Mortar, &c..... 75& 30%
Planter's Cotton, &c.....80&20%
Warren Hoe.....60&10%
Magic.....₩ doz $4.00
Dunlap's:
Boys'..... 80&10%
Ladies'.....80&10%
Toy.....80&10%

Hye—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.30&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Maslin Kettles.....75&10@80%
Boilers and Saucepans..6 @ 0&10%
Tinned Boilers and Saucepans. 6@@ 60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware... 60&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&15&5%
Rogers & Brother..... 40&15%
Hartford Silver-Plate Co....40&5&5%
William Rogers Mfg. Co...40&15&5%

Hooks—
CAST IRON—
Bird Cage, Sargent's list / Bird Cage, Reading.... / Clothes Line, Sargent's list. } 60&10&10 @70% 5 &10%
Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....50&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60 &10&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz.....60c

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%

WIRE—
Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50@50&10%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....50&10@50&20%
Handy Coat and Hat.....60@50&10%
Steady Ceiling.....60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush.....55@50%
Whiffletree—Premium.....60%
Hooks and Eyes—Mal. Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9½	9½	9½	9½	9½	net
Ausable	28c	26c	25c	24c	23c.	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&5%
Essex	28c	26c	25c	24c	23c.	40&10@50%
Lyra	9½c	9½c	9½c	9½c	9½c., net	
Snowden	9½c	9½c	9½c	9½c	9½c., net	
Vulcan	23c	21c	20c	19c	18c	25%
Northw't'n	25c	23c	22c	21c	20c.	25@25&5%
A. C.	25c	23c	22c	21c	21c.	40&10%
C. B. K.	25c	23c	23c	21c.	21c	40%
Maud S.	25c	23c	22c	21c.	21c	50&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion	25c	23c	22c	21c	20c.	40&5&2%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	18c	50%
Empire Bronzed						10@10½c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co.....45%

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10&5%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Jack Screws—
See Screws.

Kettles—
Spun Plain Brass.....25&5%
Spun Brass, plated inside with White Metal.....20&5%
Stamped Brass Kettles, ₩ lb 19@20%

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@ 60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned....40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....25@ 0%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....55@60%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....60&10@60&10&5%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Easy.....@60&10& 60&10&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%
Genuine Philadelphia Mowers: Styles, D., D. O. W., M., S., T., C. K. L., and B. Self-adjusting. 70&10%
Styles A., and E.....60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....₩ doz. $10.00
Gibbs' Hustler.....₩ doz. $5.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler:

	No. 1,	No. 2,	No. 3,
₩ doz	$12.00	$15.00	$24.00..40%
No. 4, $7.00 each			33⅓%

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 20&10%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—
C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....30%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....4%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list August 15, 1895.....60&10 net
Mallory, Wheeler & Co., list July, '88.....60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94..60&10 @6 &10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓%
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....50&10%
Shepardson or U. S.....35%

CABINET—
Cabinet Locks.....60&10@70%
Eagle Lock Co.....25&10%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 22 to 29.....40%
Dietz, Nos. 41 to 78.....45%
Dietz, Nos. 87 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40@40&10%

PADLOCKS—
Wrought Iron.....70&10@80%
Gem. Corbin Cabinet Lock Co.40&2%
Eagle.....40%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 3.....40&5%
Scandinavian.....90&40@90&40&10%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ₩ doz. $9.00...50@50&10%
Barnes Mfg. Co.....50@ 0&10
Nock's.....30&10%
Brown's Pat.....20&10%
Scandinavian.....90&10%

Fraim's Keystone Scandinavian

Nos. 1010 line				90&50%
Nos. 120 line				90&25%
Nos. 109 line				65%
Nos. 225, 610				75%
Nos. 510 line				70&10%
Other numbers				50&5%

Ames Sword Co. up to No. 108, inclusive.....50%
Ames Sword Co. above No. 108, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—
Regular list.....70&10@75%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....33⅓%

Nos.			
	100	150	
	$15.00	$18.00	

Hales Pattern ₩ doz.....70@70&5%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	5	6
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25&30%

Nos.	10	12	22	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&10%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..₩ doz $26.00.....60%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

.....20@25%
Beef Shavers (Enterprise).....25@30%
Little Giant.....50&10%

Nos.	305	310	312	320	322
	$35.00	$18.00	$44.00	$72.00	$98.00

Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Wire Nails and Brads, Patented, Association list, May 1, 1892, 9 & 10@8 &10&10%
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list, 70&10@ 70&10&5%
Brass Head, Combination list, 50& 10%
Porcelain Head, Sargent's list, 50& 10%
Porcelain Head, Comb'n list, .40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz..... $9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 2 @10%
Giant, No. 2.....₩ doz $15.00, 2 @10%
Pelican.....₩ doz $9.00, 25&10%
Lightning.....₩ doz $18.00, 20%
Scranton No. 2.....₩ doz. $10 00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Hunnason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....50%

Nuts—
Cold Punched, Square....4½c off list
Hex.....5c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped.....50%

Oilers—
Zinc and Tin.....70&10@75%
Brass and Copper.....50&10@60%
Malleable. Hammers, Improved 10&5%
Malleable, Hammers, Old Pattern, same list.....50&10@60%
"Perfect" Pocket Oilers, 2oc. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc,....70%
Prior's Pat. or "Paragon Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 85c

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Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ %

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
7x⅞ " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ lb.....24
" 2x2x½, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x⅝ to 1, ₩ lb.....2.80
No. 1. 5½ to 8x1¾ to 2x⅝ to 1, ₩ lb.....3.50
No. 1, 3 to 12x1¾ to 2x⅝ to 1, ₩ lb.....4.00
No. 2, 3 to 5½x1¾ to 2x⅝ to 1, ₩ lb.....1.00
No. 2, 5½ to 8x1¾ to 2x⅝ to 1, ₩ lb.....1.50
Discount 33⅓%
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x3 in.....₩ doz $ 0.00
7x3 in.....₩ doz. 33 00
6x2 in.....₩ doz. 30 00
5x2 in.....₩ doz. 21.00
4½x ⅛ in.....₩ doz. 14 0
3½x1 in.....₩ doz. 9 00
4x1 in, on Mahogany Handles.....₩ doz. 7 00
3½ in., in Vulcanized Rubber Case.....₩ doz. 12.00
Discount 33⅓ & 10%
Pike's Arkansas Round Edge Slips:
No. 1 reg, 3 to 5x1¾ to 2x⅝ to ⅝ in. back x⅛ to ⅜ in edge, ₩ lb.....$4.00
No. 1 small, 3 to 5x1¼ to 1½x¼ to ⅝ in. back x ⅛ in to sharp edge.....₩ lb 6.00
No. 2 assorted sizes.....₩ lb 2.50
Discount 33⅓%
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ lb.....4.00
No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x⅝ to 1 in.....₩ lb, $1.50
No. 1, 5½ to 8x1¾ to 2x⅝ to 1 in.....₩ lb, 1.70
No. 1, 8 to 12x1¾ to 2x⅝ to 1 in. ₩ lb.....1.90
No. 2, 3 to 5½x1¾ to 2x⅝ to 1 in.....₩ lb, .50
No. 2, 5½ to 8x1¾ to 2x⅝ to 1 in.....₩ lb. .70
Discount 33⅓%.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1. reg., 3 to 5x1¾ to 2x⅝ to ⅝ in. back x ⅛ to ⅜ in. edge, ₩ lb.....$2 50
No. 1, small. 3 to 5x1¼ to 1½x¼ to ⅝ in. back x ⅛ in. to sharp edge.....₩ lb, 4.00
No. 2, assorted sizes.....₩ lb, 1.00
Discount 3 ⅓%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ in.....₩ lb, $2.50
No. 2, assorted sizes.....₩ lb 1.00
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .08
Washita Finish, about 8x2x¾ to 1¼, ₩ lb.....10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ lb.....20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb.....12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross.....8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross.....80

Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb.....08
Small Axe, about 3x2x½ to 1 ₩ lb.....10
Special Axe, 2½x1½x½ ₩ lb... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb.....05
Medium, 8 x 1½ x 1¼, weight about 1½ lb, ₩ lb.....05
Large, 8x1¾x1¾, weight about 2 lb, ₩ lb.....06
Small table, 10x2¾x3¾, weight about 4 lb.....₩ lb. ... .06
Large Table, 10x2¾x5 " ..... .06
Pike's Turkey Stone:
No. 1, assorted. from 5 to 8 ₩ lb .50
Extra, " ₩ lb..... .8
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
" Boston".....60%
" Excelsior" Self-Vulcanizing, per lb 70c.....40%
Boston "Phoenix" Red Sheet, per lb.....50c.net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander.....45%
N. Y. B. & P. Co., 1846-Para....40&10%
N.Y.B. & P.Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....10@5%
Standard, Fair Quality.. 70&10@75%
Extra.....60&5@80&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₩ lb 80c 2@25&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ lb
Russian Packing.....13c@14c ₩ lb
Italian Packing.....12c@13c ₩ lb
Cotton Packing.....14c@15c ₩ lb
Jute.....6c@7c ₩ lb

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 8.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ poz 4.00
Improved Bay State.₩ dz..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.50
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination.....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&10%
Miscellaneous.....25@10%
Steer's Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..30&10%
Chaplin's Iron Planes.....50%
Sargent's.....6@60&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
} 30&10@30 &10&10%
L. & I. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers. ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....35%
Stube'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronke, Stubb's Pat. Pliers.....50%
Cronk's Button Pattern .....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....20&10%
Stanley's Handy.....20&10
Regular List.....75&10@90%
Disston's.....50%
Pocket Levels.....70&10&10@75&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $35.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@5.75
Dixon's Plumbago.....₩ lb 8c

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $1.00; ₩ gr. $8.00
1½ qt. ₩ doz. $1.00; ₩ gr. $9.00
2 qt., ₩ doz. $1.50; ₩ gr. $14.00
} 10@15%
Quincy Corn Popper, 1 qt., ₩ doz. $3.00; 2 qt, $4.00.....33⅓%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 2@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale. 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co.....60%
Levin Pruner, No. 1, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔%@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔%@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73. Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 408, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 404, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 5:2, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320 Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@55
Spring, good quality, ₩ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Sprl.ng.....50&5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....30&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe.....$6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.50
Planished Iron, to fit 7 in. Stove Pipe.....$8.50
Planished Iron, to fit 8 in. Stove Pipe.....$10.00

Rail—

Sliding Door, Wr't Brass, 1½ in. ₩ lb, 35c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 3c
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.50 2.00 2.50
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot.....70%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....55%

Rakes—

Cast Steel, Association goods.75&20%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz. $3.50
Gibbs' Favorite.....net ₩ doz. $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1.net ₩ doz. $4.50
Gibbs' Hustler, No. 0.net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4
Per doz	$1.40	1.50	1.80	2.25..80%

Boys' rakes.....₩ dc $3.50

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Ladies' rakes, ₩ doz, No. 1, $2.00: No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth. No $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....10%
Jordan's AAA1, list Nov. 1, 1889..60%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—

Francis Keil & Son.....50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95.....65%
Coopers.....65%
Block.....65%
Carriage.....65%
Hame.....65%
Burrs.....65%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—

Regular list.....70%

Rods—

Stair, Brass.....25@10%
Stair, Black Walnut.....₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10&10@70%
Moore's Acme Barn Door.....50%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope

Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ ℔ 7 c
Manilla.....⅝in ₩ ℔ 7½c
Manila, ¼ and 5-16 in ₩ ℔ 7 c
Man. Hay Rope, Med. ₩ ℔ 8 c
Sisal, 7-16 in. & larger ₩ ℔ 5 c
Sisal.....⅜ in ₩ ℔ 5½c
Sisal...¼ and 5-16 in ₩ ℔ 6 c
Sisal, Hay Rope..... ₩ ℔ 5 c
Sisal, Med. L'the Y'rn ₩ ℔ 4½c
1½% for cash in 10 days.
Cotton Rope, Best, ¼ in. and larger.....₩ ℔ 12@12½c
Medium, ¼ in. and larger, ₩ ℔...9c
Common, ¼ in. and larger, ₩ ℔...8c
Jute Rope.....₩ ℔ 5½@6c

Rules—

Boxwoo...80&10&10&10@80&10&10&10&5%
Ivory.....60&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%
Lufkin's Steel.....60%
Lufkin's Lumber.....5&10%

Sad Irons—

From 4 to 10.....₩ ℔ 2@2½c
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....5½c
New England.....5c, 20&10%
Mahony's Troy Pol. Irons.....15%
Sensible Pol., ₩ doz $1.50.....20%
Nickel.....₩ doz. $7.00
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs. Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set. .....70 net.
No. 60, ₩ set. .....80 net.
No. 65, ₩ set. .....76 net.
Outfits, No. 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown, Impooved Pol, ₩ doz. $3.50
Nickel.....₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper..50&10&5@5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—

Common.....₩ ℔ 8½c@9c
Jute, good quality.....₩ ℔ 11c
White Cotton Braided, fair...₩ ℔ 23c@24c
Common Russia Sash..₩ ℔ 12½c@ 3c
Patent Russia Sash...₩ ℔ 13½c@14c
Cable Laid Italian Sash ₩ ℔ 22½c@25c
India Hemp Sash.....₩ ℔ 10½c@..1c

Silver Lake:
A Quality, White..₩ ℔ 50c....10%
A Quality, Drab...₩ ℔ 55c....40%
B Quality, White ₩ ℔ 30c, 15&7½%
B Quality, Drab, ₩ ℔ 35c..15&7½%
C Quality, White (only) 26½c @ 28c
Sylvan Spring
Extra Braided White.....₩ ℔ 38c
Extra Braided Drab.....₩ ℔ 33c
Semper Idem, Braided White ₩ ℔ 24c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ ℔ 30c
"Samson" Braided Drab, Cotton.....₩ ℔ 35c
"Samson" Braided Italian Hemp.....₩ ℔ 33c
"Samson" Braided Linen, ₩ ℔ 30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....60&10@60&10&10
Hammond's Window Springs, A.....60&10%
Hammond's Window Springs, B..50%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86.....70%
Payson's Perfect.....70%
Hugunin's Sash Balances.....30&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@60&10&10%
Davis, Bronze, Barnes Mfg. Co...60%
Champion Safety.....70&5%
Security.....70%

Sash Weights—

Ton lots at factory.....$13.50@$16.00
Small lots at factory...$14.00@$16.50

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—

Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
Woodrough & McParlin Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.25@25&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill, 4 @45&5%
Richardson X Cuts.....45&10%
Richardson Hand-saws....25@2..&5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—

Griffin's complete'.....40&10@50%
Griffin's Hack Saw and Blades, 40&10@50%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—

Star Hack.....25%
White Vermont..₩ gro..$9.00@$9.50
Red, Polished and Varnished...₩ doz., $1.50 25%
C. E. Jennings & Co.....30%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 55@55&10%
Common Lever ₩ doz., $2.00, 45@50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $8.00; No. 1, $15.00.. 33⅓@35%
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50 2@25&10%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme...₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—

Union Platform Plain...$2.00@$2.10
Union Platform Striped.$2.15@$2.25
Chatillon's Grocers' Trip Scales..50%
Chatillon's Eureka.....25%
Chatillon's Favorite.....40%
Family, Turnbull's.....30@30&10%
Riehle Bros.' Platform...40@40&10%
Brittan Graham & Mathes.....50%

Scale Beams—

Scale Beams, List Jan. 12, '82..50&10@50&10&10%
Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz.. $2.00
Box, 2 Handle....₩ doz., $3.00@$4.00
Defiance Box & Ship.....20&10%
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool Co.....10%

Screens—

Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—

Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30&35%
Standard Oil.....35&40%

Screw Drivers—

C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5 @ 50&10
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co..50%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles..60&10%
No. 86.....70&10%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20, 40 and 60 50&10@50&10&5%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral.....50%
Gay & Parsons.....35%
Champion.....40@40&10%
Clark's Pat.....33⅓@40%
Ellrich's Socket and Ratchet.40&10%
Howard-Allard....50&10@50&10&5%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12.45%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
P. S. & W.....70%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 27½&5%
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....25&10%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—

WOOD SCREWS—List, Oct. 9, '95.
Bright Flat Head Iron.....82½%
Br't R'd & Oval Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....82½%
Round Head Brass.....75%
Flat Head Bronze.....82½&10%
R'd and Ovel Head Bronze..80&10%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....65%
Round Head Copper.....60%
Rogers Drive Screws.....87½%

MACHINE—

Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron.....70%
Bench, Wood, Beech.....₩ doz $2.25
Hand, Wood.....25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1890. 75&20%
Coach list Jan. 30, '95.....75&17½%
Bed.....25&20&
Hand Rail, Sargent's. 70&10@70&10&10%
Hand Rail, H. & B. Mfg. Co..75@75&5%
Hand Rail Am. Screw Co.....80%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W.....35%
Jack Screws, Sargent's. 70&10@70&10&10%
Jack Screws, Stearns'.....40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—

C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' No. 1, $8; No. 6, $10; No. 7, $15.....25%
Barnes Scroll Saw Blades.....35%

Scythes—

Grain.....50@50&10%
Grass.....50&10@60%

Seeders—

Enterprise Raisin.....25%

Shears—

Ætna, Steel Japanned.....80&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s...60@60&10
American (Cast) Iron..75&10@50&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60% Japanned.....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75% Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—

SLIDING DOOR—

W. W. Co., list July, 1892..50&10@60&5%
R. & E., list August 15, 1895.....60%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s.....60%
Sargent's list.....70%
Reading list.....65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Boss, from jobbers.....$3.15@$3.40
Bryden's Frog Pressure.....$4.00
Perkins Steel Side Weight Hind $3.15@$3.40
Perkins Improved Snow.....₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c.....20%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—

Iron Head.....60&10@60&10&5%
Brass Head.....60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $18@13.50

Slaw Cutters—

Enterprise.....25%

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Slicers—
Enterprise Vegetable.....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guarded, 70&10&10@70&10&10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German, new list.....40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert Mfg. Co.....45&2@50%
Covert's:
Triumph, Loop Eye, Round Eye, Open Eye, Loop Eye, Swivel, Round Eye, Swivel, Roller Eye for Breast Snaps, Double for Bits or Trace Carrier, Swivel Eye Satchel Snaps, Neck Yokes, Neck Yoke Centres, Banner Bolt Snaps.....40&5%

Spoke Shaves—
Iron.....45%
Wood.....70%
Bailey's (Stanley R. & L. Co.).....50&10%
Seymour Smith & Sons, Iron.....30%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓&5

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 75&10@80%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit.Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co.. 40&15&5%
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50&10%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60&6%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....60&1%
Boardman's Nickel Silver50&7½&5%
Boardman's Britannia Spoons, case lots.....60&10% cash

Springs—
See Door Springs.

Squares—
Steel and Iron, Nickel-Plated.....75&1 @80%
Try Square and T Bevels80&10&10%
Disston Try Square and T Bevels. 5@50&10%
Winterbottom's Try Mitre..30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....30@35%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—½ inch and larger ₩ lb.....7c@7½c
Barbed Blind—⅜ inch, ₩ lb..8c@8½c
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....3%
Butterfield's Goods.....35%
Lightning Screw Plate.....25@30%
Reece's New Screw Plates.....25@30%
Reversible Ratchet.....25%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
List March 25, 1895. Old Established Straight Weights. Short Weight goods are sold at lower prices. Extra 33⅓&2% cash.
Carpet Tacks:
American.....66⅔%
Steel.....66⅔%
Swedes, S. S.....66⅔%
Swedes, Lanc.....62½%
Leathered.....33⅓%
American Cut Tacks.....62½%
Swedes Iron Tacks:
S. S.....62½%
Lanc.....57½%
Upholsterers' Tacks:
S. S.....66⅔%
Lanc.....62½%
Gimp Tacks:
S. S.....66⅔%
Lanc.....62½%
Lace Tacks:
S. S.....62½%
Lanc.....57½%
Trimmers' Tacks:
S. S.....55%
Lanc.....50%
Looking Glass Tacks.....33⅓%
Picture Frame Points.....33⅓%
Basket Tacks.....62½%
Berry Box Tacks.....62½%
Trunk Tacks:
S. S.....66⅔%
Lanc.....62½%
Miners' Tacks, S. S.....66⅔%
Bill Posters' and Railroad Tacks:
S. S.....66⅔%
Lanc.....62½%
Brush Tacks and Nails:
S. S.....55%
Lanc.....5%
Hungarian Nails.....57½%
Common and Patent Brads.....50%
Finishing Nails.....57½%
Trunk and Clout Nails.....57½%
Basket Nails.....
Chair Nails.....45%
Cigar Box Nails.....45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓%&2% cash.
F. H. Cobblers' Nails:
4-4-8in., and shorter, ₩ 100 lb $1.60
⅝ in. and longer, ₩ 100 lb....$1.90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

No 18 & 19.	17 & heavier.
2-8&2½-8 in. $64.90	$44.10
3-8&3½-8 in. 55.50	3 00
4-8& longer, 44.50	36.10

MISCELLANEOUS—
Double Point.....85&10@85&10&5%
Wire Carpet Nails.....80&10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₩ box $1.50
Claw Handle Carpet.....₩ gr $1.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 5&2%.
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&2%
Miniature Keg Tacks..66⅔&33⅓&2%
Upholsterers' Nails.....50&10%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50

Tapes, Measuring—
Lufkin's Steel and metallic.....40%

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Tin, Perforated—
Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.45	$1.55
2	$8.90	$1.55
3	$8.35	$1.35
4	$7.80	$1.30
5	$7.25	$1.20
5½	$7.25	$1.20
6	$6.95	$1.15
7	$6.85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Trammel Points—
Cook's.....25%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3.50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T.$3.50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft.....09
Single Rail Steel Track with clamps, ₩ ft.....09
D. H. Fork, Steel Regular, each.75
Nellis Fork, each.....$1.50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₩ doz.$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1.50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.....$2.25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Floor Hooks, ¾ in ₩ doz.....65
Hanging Hooks for Double Steel Track, ₩ doz.....60
Hanging Hooks for Single Steel Track, ₩ doz.....60
Hanging Hooks for Wood Track, 10 in. ₩ doz.....45
Hanging Hooks for Wood Track, 14 in, ₩ doz.....55
Wrought Rafter Brackets, ₩ doz.....45
Malleable Rafter Brackets, ₩ doz.....45
Rope Hitch, ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida Pattern.....75&5@75&10%
Newhouse.....40&10@50&5%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....50&10@60%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 8@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 10%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza....₩ doz 90c@$1.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₩ doz. 65c.; in full cases.....60c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross, $12.50
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat.....₩ gross $15.00
Housenold.....₩ gr $10.00
Rile Rat.....50%
FLY—
Balloon, ₩ doz $1.50.....₩ gr. $12.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..25 @25&10%
Peace's Plastering.....25@25&5%
W. & McP. Plastering.....25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....25@33⅓%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
solid Box.....50&10@50%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@40&10%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Massey's Quick Action.....20@25%
Bonney's.....50@50&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....70&10@70&10&10%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....35&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.00@$7.50
American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27.00; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $38.00.
Eureka, Two-thirds Whalebone, 4½ ft., $15.00; 5 ft., $16.50; 6½ ft., $18.00; 7 ft., $20.00.
Bull Bone, Half-length Whalebone, 4½ ft., $11.00; 5 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00; 5 ft., $8.50; 5½ ft., $9.50; 6 ft., $10.50; 6½ ft., $12.00; 7 ft., $13.50; 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $5.00; 5 ft., $5.00; 5½ ft., $5.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors.....6 ft., $6.00
Americus, ⅝ Pen Whip, 6 ft., $6.00
Gents' Light Driving, No. 110, 6 ft.....$6.00
Gents' Light Driving, No. 106, 6 ft.....$5.00
Hand-Made Stocked Java, No. 108.....5½ ft., $3.75; 6 ft., $4.00
Team Whips....₩ doz $2.00@$7.50

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@80%
Cop'd, Nos. 0 to 18, 75& @75&10&5%
Galv., Nos. 0 to 18.....70&10@75%
Tin'd, Tinned list Nos. 0 to 18..75 &5@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb.....4½c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass.....30@30&5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 20, ₩ lb.....6 @70c
Tate's Wire Picture Cord Braided and Twisted,.....8@10&10%
Picture Wire.....New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft.,$1.35@$1.40
Galvanized Wire Netting....80&10 @85&25%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List.
Iron.....20&2½%
Iron, Galvanized.....20&2½%
Cast-steel.....20&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....60@60&5%
Nickel.....40&5@50%
Heavy.....50%
Alligator.....60&10%
Hercules.....70%
American Adjustable.....4@40&10%
Armstrong's.....40%
Baxter's Adjustable "S" 70@70&10%
Baxter's Diagonal.....60@60&10%
Coes' Genuine.....60& @50&10%
Coes' "Mechanics'".....50&10&5@60%
Girard Standard.....65&10@70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 8 Pipe.....55%
Aiken's Pocket (Bright) $2.50@2.60 60%
Boardman's.....33⅓%
Always Ready.....33⅓&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%

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Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓&5%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co., list May 1, 1894, 2%
Lowell Mfg. Co., list July 2, 1891...2%
Peerless Mfg. Co., list Feb., 1892...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%

NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in bbls. ℔ gal. 42c
Linseed, City, Boiled, " ℔ gal. 45c
Out of Town on Spot.....℔ gal. 40c
Calcutta, Raw, in bbls.....℔ gal. 47c
Lard, Prime City.....℔ gal. 50@51
Western, Prime.....50@51
Extra, No. 1.....40@41
No. 1.....37@39
No. 2.....33@35

Paints and Colors—

Barytes, Prime White, ℔ ton, $14.00@$17.00
Barytes, Foreign Floated, ℔ ton, $15.00@$18.00
Barytes, Domestic Floated, ℔ ton $22.00@$23.00
Barytes, Off Color, ℔ ton, $10.00@$13.00
White Lead, American, Dry, ℔ ℔ 4½@4¾c
White Lead, American, in Oil, ℔ ℔.....5½@5¾c
White Lead, English, in Oil, ℔ ℔ 5½@5¾c
Litharge, American Powdered, ℔ ℔.....4¾@5¼c
Litharge, English Flake, ℔ ℔ 7¼@8 c
Litharge, Glassmakers', ℔ ℔ 4¾@5¼c
Zinc, American, Extra Dry, ℔ ℔ 3¾@4½c

Putty—

Putty in Bulk.....$1.45@$1.70
Putty in Bladders.....$1.65@$2.00
Putty in Tins.....$2.00@$2.50

Spirits Turpentine—

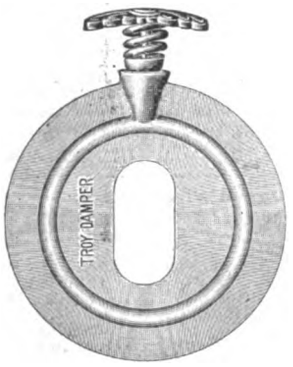
Spirits Turpentine, ℔ gal..28@28½c

Dry Colors -

Blue, Chinese.....℔ ℔ 35 @40 c
Blue, Prussian.....℔ ℔ 30 @35 c
Blue, Ultramarine..℔ ℔ 7 @25 c
Brown, Sienna, American, burnt.....℔ ℔ 1¼@ 1½c
Brown, Sienna, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Umber, American, burnt.....℔ ℔ 1¼@ 1½c
Brown, Umber, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Vandyke, German.....℔ ℔ 2¾@ 5¾c
Brown, Vandyke, American.....℔ ℔ 1¾@ 2½c
Green, Chrome, Common.....℔ ℔ 5 @ 6 c
Green, Paris.....℔ ℔ 20 @26 c
Indian Red, Staadard, American....℔ ℔ 2 @ 3 c
Venetian Red, English Prime.....℔ ℔ $1.75@$1.90
Yellow, Chrome.....℔ ℔ 16 @25 c
Yellow, Ocher Fre'ch ℔ ℔ 1 @ 1¾c

Colors in Oil—

Black Coach Japan ℔ ℔..18½@20 c
Black Coach Japan in Oil.....℔ ℔ 12 @13 c
Black Drop.....℔ ℔ 7½@10 c
Black Lampblack, prime, ℔ ℔ 27 @33 c
Black Lampblack, medium.....℔ ℔ 15 @20 c
Black Lampblack, 2d quality.....℔ ℔ 13 @19
Black, Lampblack, low grade.....℔ ℔ 6½@10 c
Blue, Chinese.....℔ ℔ 35 @40 c
Blue, Prussian.....℔ ℔ 20 @40 c
Blue, Ultramarine..℔ ℔ 12 @1 c
Brown, Sienna bur't ℔ ℔ 7 @10 c
Brown, Sienna, raw.℔ ℔ 7 @10 c
Brown, Umber, bur't℔ ℔ 7 @10 c
Brown, Umber raw..℔ ℔ 7 @10 c
Brown, Vandyke....℔ ℔ 7 @11 c
Green, Chrome.....℔ ℔ 8 @14 c
Green, Paris.....℔ ℔ 16 @1-½c
Red, Indian.....℔ ℔ 12 @15 c
Red, Venetian.....℔ ℔ 4½@ 8 c
Yellow, Chrome.....℔ ℔ 13 @18 c
Yellow, Ocher, Fre'ch ℔ ℔ 4½ c



Don't Your Jobber Keep This Damper?

"WELL"

If he don't, send to us and we will give you the name of one who do and will be glad to do Business with

YOU

We don't want any one to get left on a Good Thing.

TROY NICKEL WORKS,

TROY, N Y.

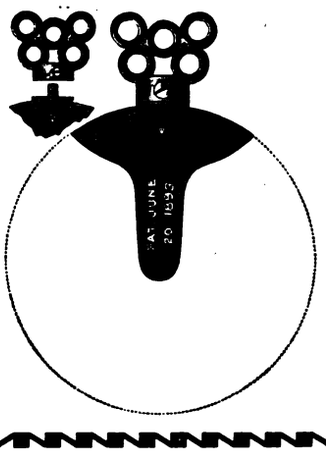
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STOVE HARDWARE





COLUMBIA

DAMPER CLIP.

Simplest, Best, Cheapest.

Cannot be put together wrong.

TRILBY OIL HEATER.

Best, Largest, Cheapest.

THREE STYLES.

Gas Heater Unequalled in Appearance and Utility.

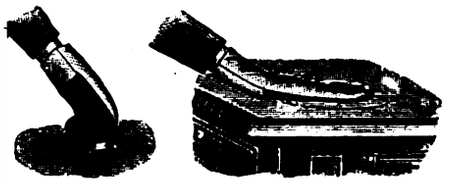
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BEST AND CHEAPEST OYSTER KNIVES IN THE MARKET.

CEO. T. MOE & CO.,

52 N. Second Street, Philadelphia, Pa.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.

Manufrs. of Useful Adv. Mediums.

Perhaps You Don't Know All About It!

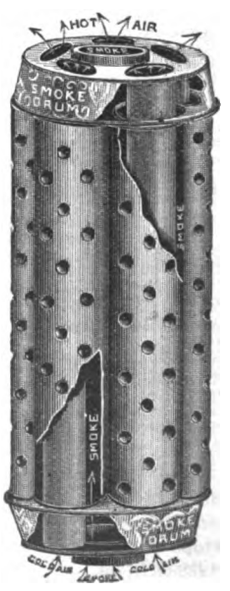


THE NEW ERA RADIATOR.—It is a scientific combination of drums and flues compactly arranged to take the place of a section of stove pipe. It intercepts the intense heat which always passes up the centre of a pipe or chimney. Without injury to the draught, the current of hot air is caused to flow naturally and uniformly over an immense radiating surface, and a large proportion of the heat exhausted and thrown out into the room. The cold air from the floor also passes through the inner tubes and is heated. This quickly equalizes the temperature of the room, making a pleasant and healthy circulation. It will actually save from 700 to 1,000 lbs. of coal out of every ton. Forcing the stove, as is usually done, becomes unnecessary, the wear and tear is less and its life is so much longer. It does not catch dirt or soot and is as easily cleaned or repaired as a stove pipe. Does not leak gas or obstruct the draught, but saves the heat for your comfort. Thousands who are using them will attest this truth.

Prices are low this year. Address

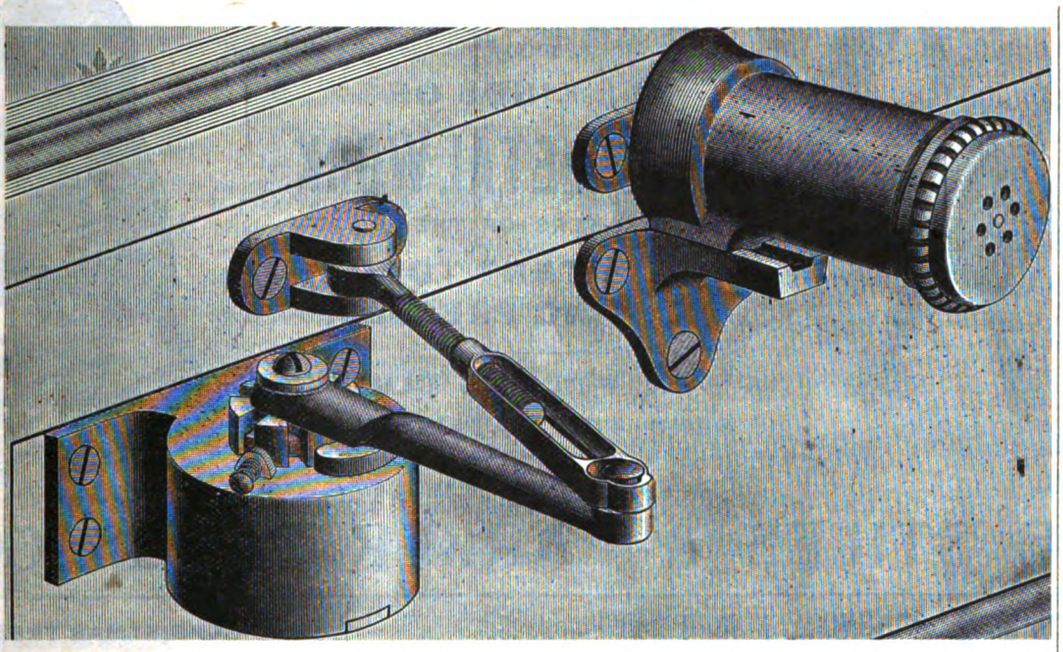
WILMOT CASTLE & CO.,

76 Elm Street, Rochester, N. Y.



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in your vicinity for the Easy Selling

Eclipse Check and Spring.

It will pay you to push the sale just now when there are calls for something to keep out the cold. The Eclipse does it by closing the doors without noise, without jarring the house and without the destruction of glass. When you sell the Eclipse you sell a good article and make a good profit.

Sargent & Co., Manufacturers,

New York and New Haven, Conn.

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THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

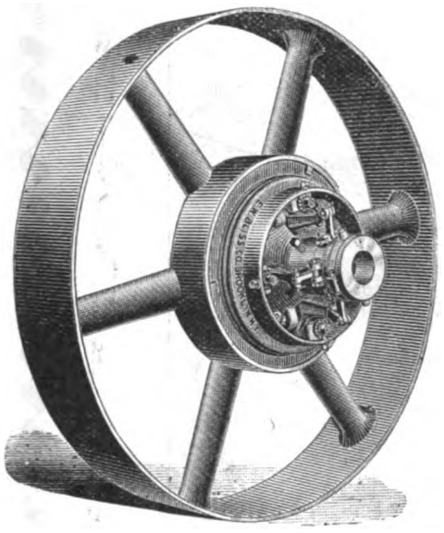
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For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS. BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

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CHICAGO OFFICE, 96 W WASHINGTON ST. E. W. BLISS CO., 18 ADAMS ST., BROOKLYN, N.Y.



PRESSES, DIES AND SPECIAL MACHINERY.

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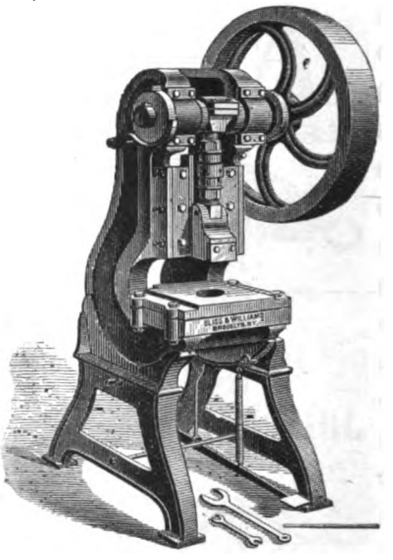
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BLISS PATENT TOGGLE DRAWING PRESSES.

A NEW FRICTION CLUTCH.

SEND FOR CATALOGUE.



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THE STILES & PARKER PRESS CO.

THE CROWN

Christmas Tree Holder



Is the only . . . .

Tree Holder

. . . . Made

That has

Stood the Test

Of Practical Use.

Descriptive Circulars and Prices sent on application to . . . . .

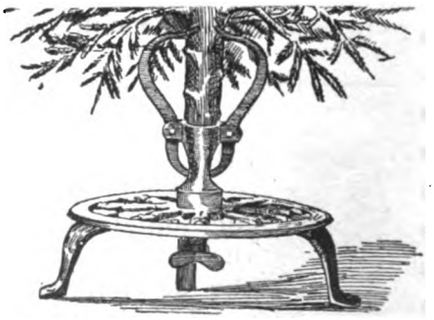
NORTH BROS. MFG. CO.,

PHILADELPHIA, PA.

New York Agents: JOHN H. GRAHAM & CO., 113 Chambers St.

MERK CHRISTMAS TREE HOLDER.

BUY THE BEST.



Christmas Comes But Once a Year.

If you want to make your home pleasant and cheerful during the holidays **Buy a Merk Christmas Tree Holder,** made of iron, neatly finished in gold bronze. By an ingenious contrivance the tree is held secure by strong arms which extend upward from the main body of the receptacle in which it is placed. The tree can be revolved. Sample tree holders sent by express prepaid upon receipt of $1. Packed in quarter and half dozen crates for shipment. Manufactured and sold only by the

Allentown Hardware Works, Allentown, Pa.

Brass Bronze Composition and Light Gray Iron Castings. Manufacture a full line of general **Builders' Hardware.**

Hardware dealers and others are requested to write for descriptive circulars and wholesale prices. Also manufacturers of **Refrigerator Locks and Trimmings,** of new, beautiful design, finish and of the latest pattern.

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Scovill Mfg. Co., Waterbury, Conn.

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Partrick & Carter Co., Philadelphia, Pa.

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Theo. Hierts & Son, St. Louis, Mo.
Magnolia Metal Co., New York.

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Van Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

Apple Parers.
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Remington Arms Co., New York.
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W. W. Suplee & Co., Philadelphia.
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Bicycle Step Ladder Co. Chicago.

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Miner & Peck Mfg. Co., New Haven, Ct.

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Harrington & King Perforating Co., Chicago.

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Divine Bros., Chadwicks, N. Y.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York and New Haven, Conn.
Stanley Works, New Britain, Ct.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich.; New York.

Casters.
Gwinner Mfg. Co., Hamilton, O.

Castings, Iron and Brass.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

Cement.
New York Belting & Packing Co., Ltd., New York.

Chains.
Rome Brass & Copper Co., Rome, N. Y.

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Clay Screens.
Harrington & King Perforating Co., Chicago.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clock Springs.
Wallace Barnes, Bristol, Conn.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.
Meriden Malleable Iron Co., Meriden, Conn.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Alfred Field & Co., New York.
Goodell Co., Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
Wm. Schollhorn Co., New Haven, Conn.
J. Wiss & Sons, Newark, N. J.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Damper Clips.
Geo. T. Moe & Co., Philadelphia,

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
J. Bardsley, New York.
John Chatillon & Sons, New York.
Norton Door-Check & Spring Co., Boston.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven, Conn.

Door Knobs, Wood.
J. Bardsley, New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Partrick & Carter Co., Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.
Sterling Emery Wheel Mfg. Co. Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York.

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence R. I.
Sickels, Sweet & Lyon, New York.

Filter, Water.
J. H. Seed, New York.
F. H. Weeks, Akron, Ohio.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Folding Plant Stands.
M. D. Jones & Co., Boston.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gasoline Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.

Gate Hinges, Latches, etc.
Wrightsville Hardware Co., Wrightsville, Pa.

Gears.
T. F. Welch & Co., Boston.

German Silver.
Scovill Mfg Co., Waterbury, Conn.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.
A. W. Dodd & Co., Gloucestre, Mass.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland,

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammocks.
Bruce R. Ware & Co., Boston.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven Conn.
Sickels, Sweet & Lyon, New York.
Supplee Hardware Co., Philadelphia.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Diamond Cutlery Co., New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co., Hamilton, O.
T. W. Houchin, New York.
Klages & Co., New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York and New Haven, Conn.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Boston.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Nozzles.
Allentown Hardware Works, Allentown, Pa.
American Ball Nozzle Co., New York, San Francisco.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Husking Goods.
Blair Husking Glove Co., Bucyrus, Ohio.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Diamond Cutlery Co., New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Geo. T. Moe & Co., Philadelphia.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.

Lemon Squeezers.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Scranton & Co., New Haven, Conn.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mica Goods.
Geo. T. Moe & Co., Philadelphia.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Planes.
Samuel I. Goodall Co., Philadelphia.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Leavett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Bellevue Pump Co., Bellevue, Ia.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Radiators.
Wilmot Castle & Co., Rochester, N. Y.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
Edward Darby & Sons, Philadelphia.

Rakes.
Ashtabula Tool Co., Ashtabula, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Repair Outfits.
Root Bros. Co., Plymouth, O.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Blake & Johnson, Waterbury, Conn.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia.

Sample Holders.
Massey & Thompson, Monroe City, Mo.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Balances.
Gardner Sash Balance Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.
Bruce R. Ware & Co., Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
Millers Falls Co., New York.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Gilfillan Scale Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Klages & Co., New York.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.
Wyoming Shovel Works, Wyoming, Pa.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
A. G. Spalding & Bro., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleigh Bells.
Chapman Mfg. Co., Meriden, Ct.

Snow Guards.
Folsom Snow Guard Co., Boston.

Snow Shovels.
A. J. Phillips Co., Fenton Mich.

Solder.
Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
J. Bardsley, New York.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.
Oster Mfg. Co., Cleveland, O.

Stoneware.
F. H. Weeks, Akron, O.

Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.

Stove Pipe.
Geauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Cleveland Block Co., Cleveland, O.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack and Nail Machines.
Kimbal Bros. & Co., Boston.

Tapes.
Boston Tape Mfg. Co., Boston.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O.
E. C. Atkins & Co., Indianapolis, Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Philadelphia.
Samuel I. Goodall Co., Philadelphia.
Th. M. Hass, New York.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.
Ward & Gilmore, Le Roy, N. Y.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Twines.
Bruce R. Ware & Co., Boston.

Vapor Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.

Varnish.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N.Y
Charles Morrill, New York.

Washers.
Klages & Co., New York.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches.
Robert H. Ingersoll & Bro., New York.

Wheelbarrows.
Bryan Mfg. Co., Bryan Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Toledo Wheelbarrow Works, Toledo, O.

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Tate Mfg. Co., Malden, Mass.

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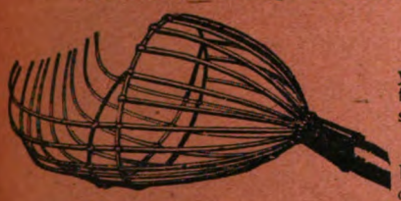
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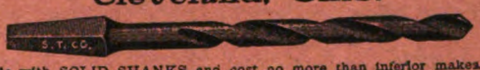
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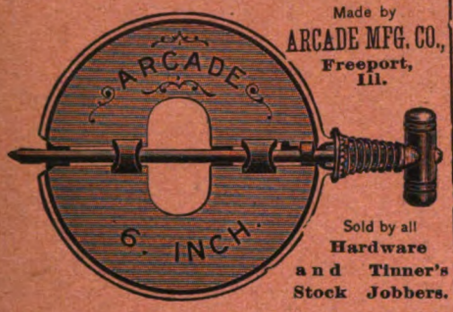
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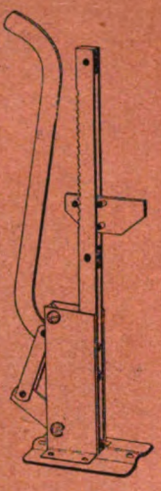
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WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

WILLIAMSON'S
NEW POWER CORK SCREW

Pulls the Cork out of the Bottle.

DIRECTIONS FOR USE:

KEEP ON TURNING, DO NOT PULL.

No. 1243. Nickel Plated, Applewood Handle.....$5.00 per doz.
" 1443 " " Rosewood " .....$7.50 " "

For Discounts and other Styles send for Catalogue.

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Manufacturers of Wire Specialties for the Trade.

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ORANGE SPORTING POWDER, MANUFACTURED BY LAFLIN & RAND POWDER CO.

ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded ORANGE RIFLE EXTRA.

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so-called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

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In buying Shells for shot guns, ask for those loaded with "ORANGE EXTRA."

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Iron & Steel Cut Nails

STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

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GUNPOWDER.

Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

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Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

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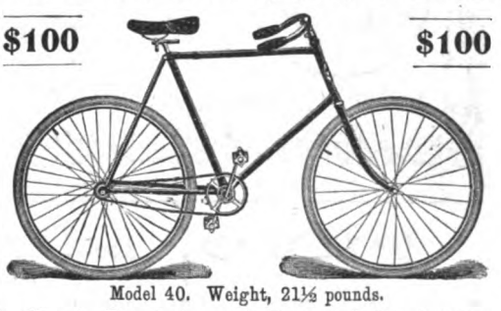
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Unequalled—Unapproached.

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write to { Cleveland Rubber Works, Of the Mechanical Rubber Co., Cleveland, Ohio, U. S. A.

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ATLAS AND JUDSON POWDERS

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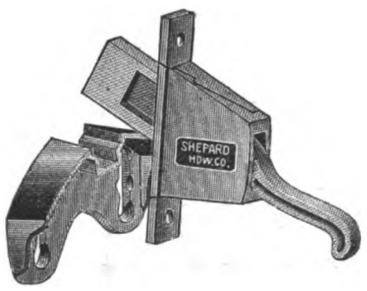
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Our High Explosives are Standard and Guaranteed to run Uniform.

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That's how a large Hardware dealer describes the appreciation of his customers in regard to our **Gate Hinges** and **Latches, Blind** and **Shutter Hinges,** and **Frame Pulleys** of the **"Original" Clark** and other patterns formerly sold by the **Shepard Hardware Co.,** of Buffalo, N. Y., whose business in these lines we have acquired by purchase.

☞We are the SOLE Manufacturers.

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HALL'S IMPROVED PIPE WRENCH.

DO YOU SAY that this wrench will crush or cut the pipe? IT WILL NOT if you know how to use it. The principal cause of Pipe Wrenches crushing or cutting the pipe is because the GRIPPING POINTS ARE DULL. You can sharpen THIS WRENCH IN A FEW MINUTES on a

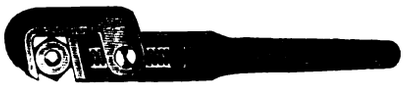


grindstone or emery wheel WITHOUT TAKING IT APART.

THIS WRENCH if kept sharp will grip high on the pipe, and you can screw a pipe so tight that it will open a malleable fitting, and strip the thread, WITHOUT CRUSHING OR CUTTING THE PIPE.

It is impossible to LOCK OR WEDGE THIS WRENCH on the pipe.

It will COST LESS FOR REPAIRS than any other Pipe Wrench.



IT IS THE BEST SCREW WRENCH, as it is stronger than any other, and by pulling the reverse way it will grip a nut or fitting and WILL NOT SLIP.

It is DROP-FORGED from TOOL STEEL.

Sam'l Hall's Son,
229 West 10th St., New York.



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The Excelsior Roasting and Baking Pan makes money for every dealer who handles it. To show it is to sell it, because its merits speak for themselves.

The Excelsior Pan is made of Planished and Plain Steel in seven sizes.

SUITS EVERYONE. WRITE FOR PRICES.

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Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

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IT TAKES A PULL

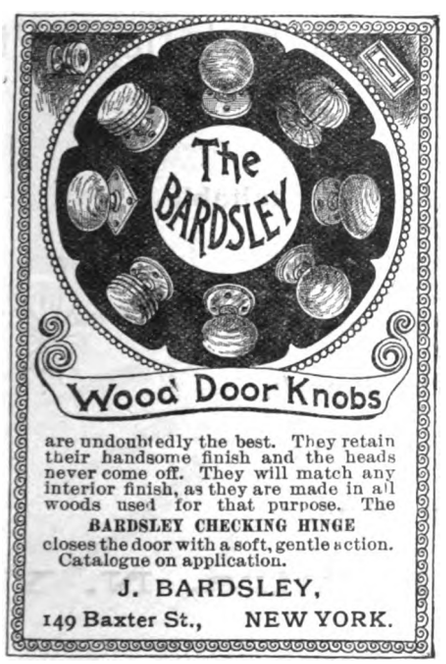
to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

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Pioneers and Leaders, **15 Park Row, New York.**



are undoubtedly the best. They retain their handsome finish and the heads never come off. They will match any interior finish, as they are made in all woods used for that purpose. The

BARDSLEY CHECKING HINGE

closes the door with a soft, gentle action. Catalogue on application.

J. BARDSLEY,

149 Baxter St., NEW YORK.

"THE BALL DOES IT ALL!"



No. 6. ¾ inch Ball Nozzle Lawn Sprinkler.

NO Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . .

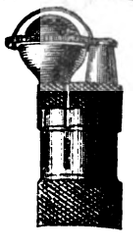
A PORTABLE and BEAUTIFUL FOUNTAIN.

THE GREAT BALL NOZZLE.



No. 5. ¾ inch Ball Nozzle. For Fountains and Trees

WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



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NATURE SERVES MAN IN A MYSTERIOUS WAY! WHY DOES THE BALL REMAIN AGAINST PRESSURE?

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Branch House—325 SUTTER ST., SAN FRANCISCO, CAL.

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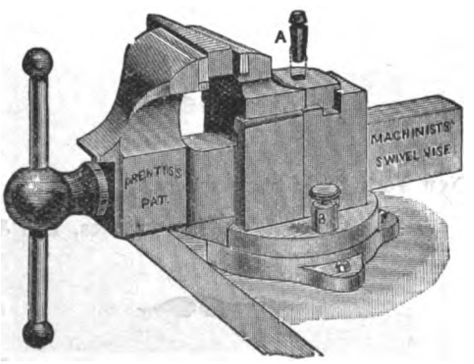
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WE know you have been looking for it but haven't had time to tell you about it before.

L arge tubing.		**S** prockets detachable.
I nterchangeable parts.	**A**	**T** ubular hubs.
G raceful curves.	**N**	**R** e-inforced properly.
H andle bars adjustable.	**D**	**O** utline superb.
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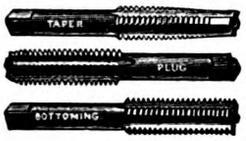
New York Cycle Show spaces, 6 & 7.
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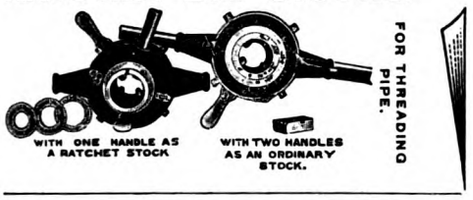
Taps & Dies.



Derby Line, Vermont.

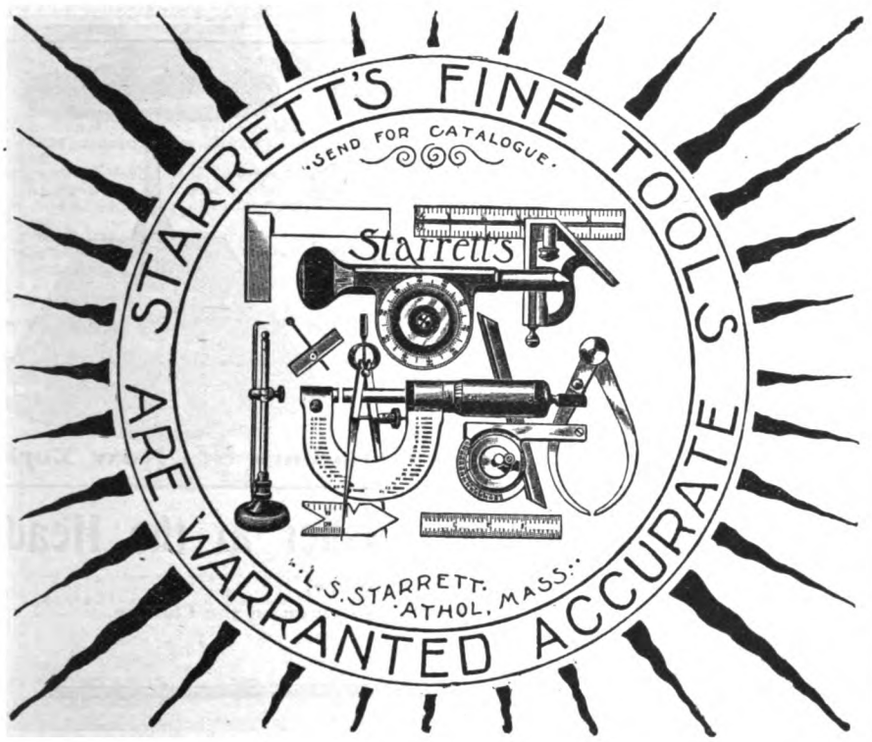


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RATCHET DIE STOCKS.





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FENCING, CRESTING
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STOCK OF
IRON FENCING
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We have no risk on the quality.
We make only the best.



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HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

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There are Two Classes of Rubber Belting, Packing and Hose:

MALTESE CROSS BRAND

AND OTHERS.

We are the Sole Makers of the MALTESE CROSS GOODS, but we make others too, and all at prices that you will find attractive.

THE GUTTA PERCHA AND RUBBER MFG. CO.,

ESTABLISHED 1855,

Mechanical Rubber Goods of Every Kind,

35 WARREN STREET, - - NEW YORK.

BRANCHES: CHICAGO. BOSTON. SAN FRANCISCO. PORTLAND, ORE.

WE ARE SOLE MANUFACTURERS OF THE CELEBRATED BRANDS

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Blue Bank,
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Braided Cord

Of every description.



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TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt

The Bradley Shaft-Coupling

The only real quick shifting, anti-rattling coupling ever put together. Complete in itself and always ready.

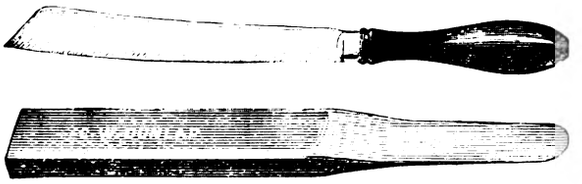
No Bolts, No Nuts, No Screws, No Rubbers, No Wrench, No Rattle. Over 20,000 pairs in use. 12,000 pairs sold in 1895.

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Dunlap's Superior Kitchen Hardware.



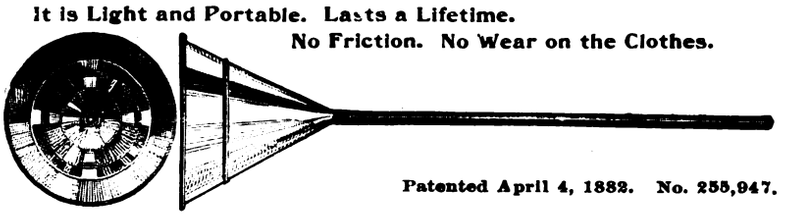


Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.

The Compressed Air Washer at the Head.

It is Light and Portable. Lasts a Lifetime.
No Friction. No Wear on the Clothes.



Patented April 4, 1882. No. 255,947.

We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric. The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.

Retail Price, $2.50. Send for Circulars and Prices

Manufactured only by E. M. HEATHMAN & CO., HAMILTON, O. U. S. A.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

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FOR

$2.00

American Lantern Pinion Stem Wind ¼ Plate Gilt and Nickel Plain and Fancy Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

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Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Libe al discount to the trade. Send for price.
THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE — THE NATIONAL SAW CO.

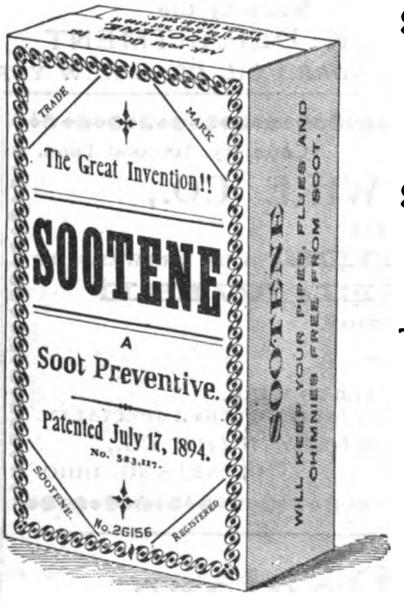
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Will keep your Chimney Pipes and Flues free from Soot and create a perfect draught, thereby making it a household necessity.

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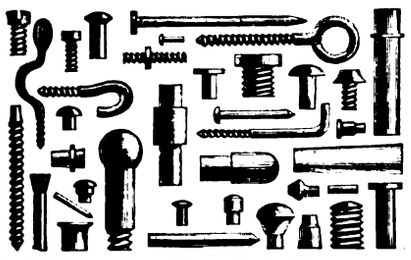
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Padlocks, Cycle Locks, Toe Clips, Dog Leads, Automatic Machinery.



Sash and Cable Chains, Sash Pulleys, Drill Chucks, Shears and Sheet Metal Novelties.

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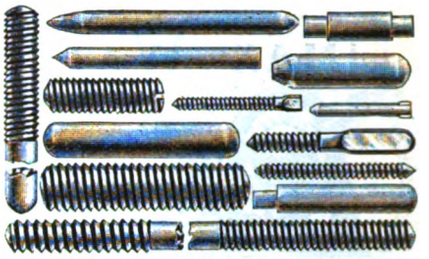


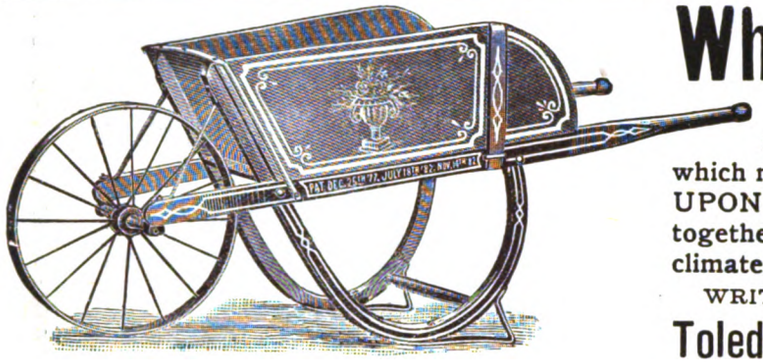
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STUDS, PINS, SCREWS,
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For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
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Wheelbarrows

of all Styles,
of all Grades
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works. Toledo. O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,
CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF
IRON AND STEEL WIRE
OF EVERY DESCRIPTION,
SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

The McCrum
Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.
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Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,
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Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.



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Tools, Cutlery and Springs.



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an article that every family would buy if they simply had their attention called to its merits? If you do, put in a stock of P & A's Banner Oil Stoves. See Cut.



No. 971. Heater Complete. Height, 27 inches.

Banner Oil Heater

SIMPLE, NOVEL and PRACTICAL.

Requires less care than the ordinary Lamp.

Will burn 10 to 15 hours and heat comfortably a room 15 to 20 feet square.

NO SMOKE! NO ODOR! PERFECT COMBUSTION.

POINTS:

The Oil Fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking.

No Chimney. The drum of the **BANNER** in its construction acts as a chimney, saving the expense incident to the renewal of glass chimneys of other makes.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and ONLY ONE with feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness.

Lighting. It is not necessary to remove any part of the stove to light it. The sliding door in the drum is made for this purpose.

Draft. The round openings in the drum create great suction of cold air in addition to the regular draft. Double the radiating force of the ordinary stove is thus secured.

Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

*** SOLE MAKERS, ***

THE PLUME & ATWOOD MFG. CO.,

29 MURRAY ST., NEW YORK, U. S. A. 199 LAKE ST. CHICAGO.

The



B & H LAMPS.

—Easy to Light— —As Gas.—



For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.

—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

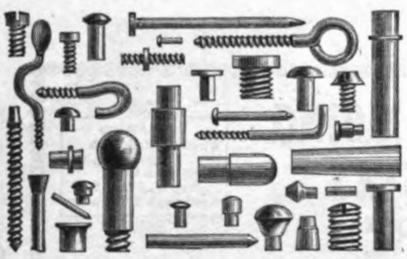
Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.



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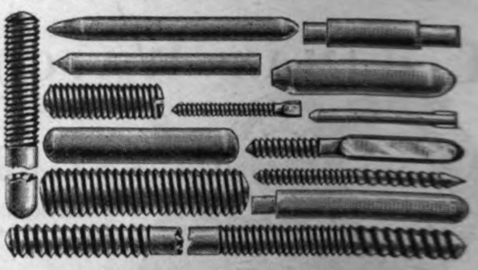


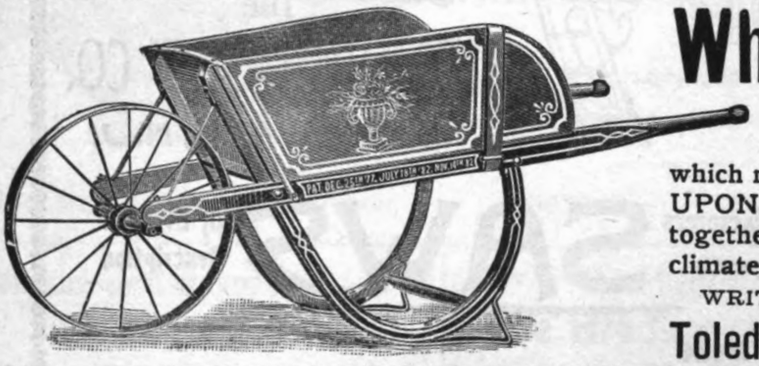
Iron and Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
WATERBURY, CONN.





Wheelbarrows

of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,
CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF
IRON AND STEEL WIRE
OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.
312 Dorchester Ave.,
SO. BOSTON, MASS.

Hardware Dealers

Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

who are the largest and oldest importers and manufacturers of graphite, and blacklead in the world.

Brockton, Mass. ESTABLISHED 1852
and Springs.



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Do You Desire

an article that every family would buy if they simply had their attention called to its merits? If you do, put in a stock of P & A's Banner Oil Stoves. See Cut.



Banner Oil Heater

SIMPLE, NOVEL and PRACTICAL.

Requires less care than the ordinary Lamp.

Will burn 10 to 15 hours and heat comfortably a room 15 to 20 feet square.

NO SMOKE! NO ODOR!
PERFECT COMBUSTION.

POINTS:

The Oil Fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking.

No Chimney. The drum of the **BANNER** in its construction acts as a chimney, saving the expense incident to the renewal of glass chimneys of other makes.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and ONLY ONE with feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness.

Lighting. It is not necessary to remove any part of the stove to light it. The sliding door in the drum is made for this purpose.

Draft. The round openings in the drum create great suction of cold air in addition to the regular draft. Double the radiating force of the ordinary stove is thus secured.

Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

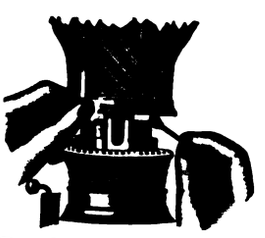
No. 971. Heater Complete. Height, 27 inches.

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29 MURRAY ST., NEW YORK, U. S. A. 199 LAKE ST. CHICAGO.

The



B & H LAMPS.

—Easy to Light—
—As Gas.—

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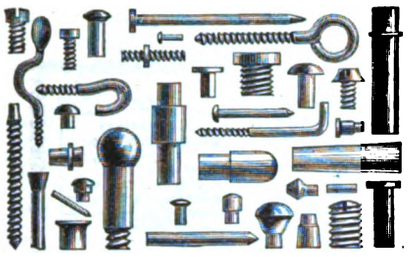
Bradley & Hubbard Mfg. Co.,

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Main Office and Factories, Meriden, Conn.



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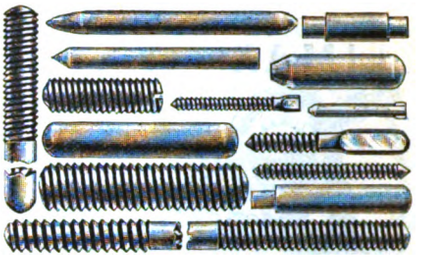


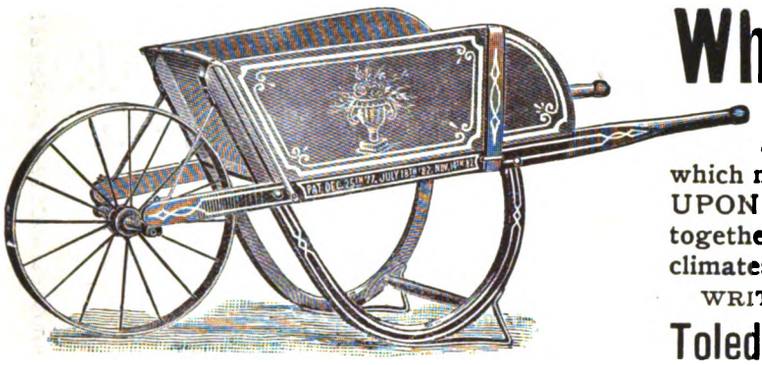
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JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.



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Tools, Cutlery and Springs.



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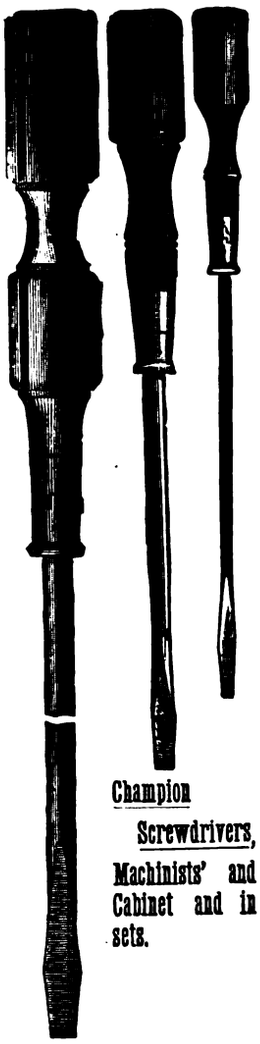
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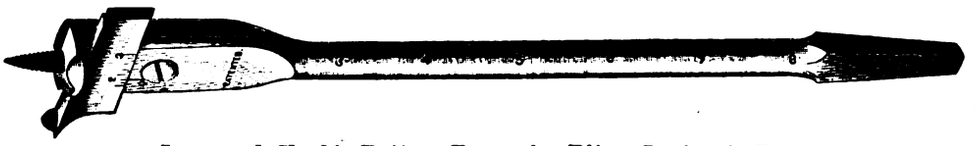
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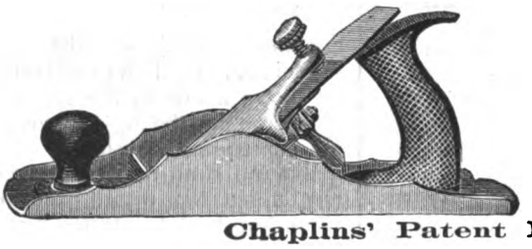
Carpenters and Machinists' Tools.





No loose parts.

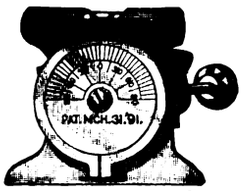
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.



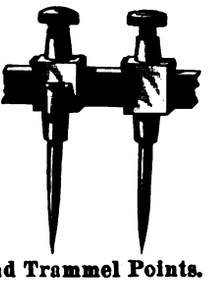


Corrugated Face.

Chaplins' Patent Iron Planes.





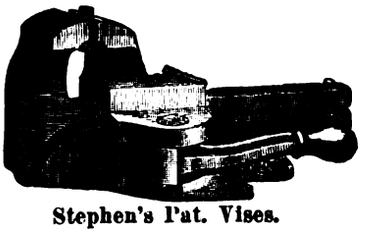




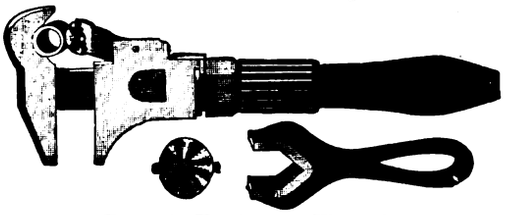


Unique Levels for Sqr. Plumb Bobs and Trammel Points. Mall Lamps and Oilers.

Champion Screwdrivers, Machinists' and Cabinet and in sets.



Stephen's Pat. Vises.



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TOWER & LYON,

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Manufacturers Padlocks, Police Goods, Etc.

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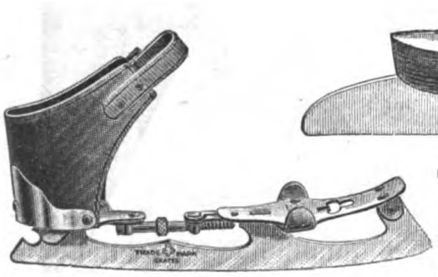


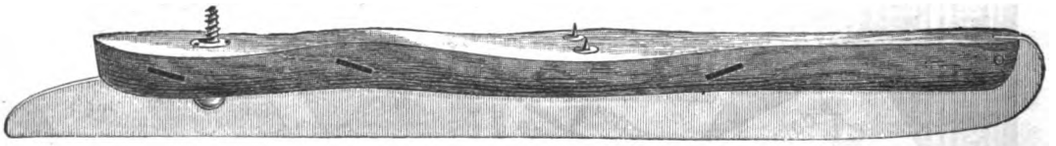
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CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.

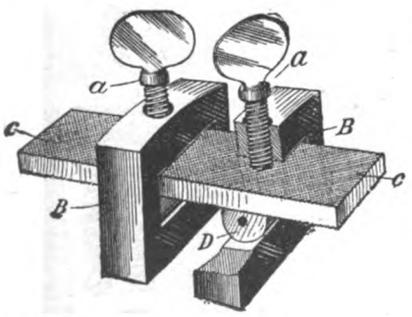




The Union Skate Sharpener

A New and Useful Article

Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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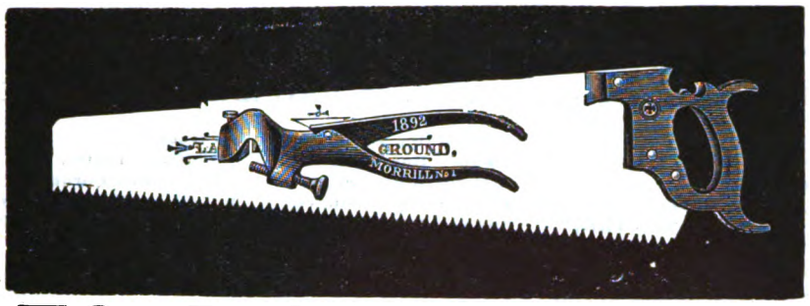
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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BENCH
Universal
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AND WAGON



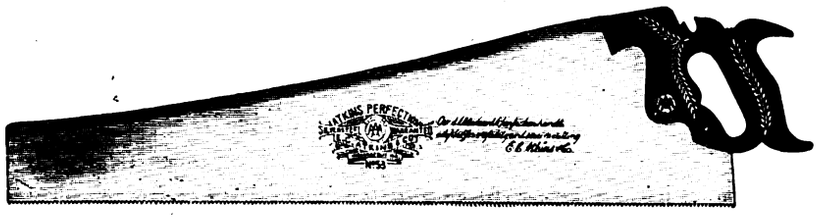
STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind. BRANCH HOUSES } Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

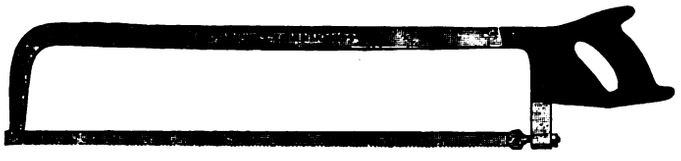
MANUFACTURERS
The Atkins SILVER STEEL SAWS.

SILVER
STEEL



THE
BEST SAWS
MADE.

THE ATKINS "PERFECTION" SAW. No. 53.





An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?

WE FURNISH COMPLETE OUTFITS,

THE HANSON & VAN WINKLE CO.,

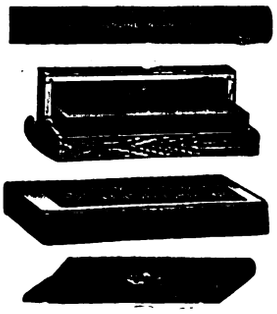
CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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Manufacturers of BRASS and BRONZE HARDWARE.

Door Pulls,
Shutter Bars,
Drawer Pulls,
Corner Plates,
Hook Sash Lifts,
Mirror Plates,
Flush Sash Lifts,
Plate Escutcheons,
Cabinet Escutcheons,
Fire Screen Hinges.

Moulding Hooks,
Fancy Box Hinges,
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Box and Chest Corners,
Brass and Zinc Washers,
Floor and Ceiling Plates,
Water Closet Seat Hinges.

SEND FOR CATALOGUE.

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Hinge Plates,
Stair Corners,
Stair Buttons,
Loose Pin Butts,
Strap Hinges,
Door Numbers,
Shelf Brackets,
Padlock Hasps,
Mending Straps.





Revolution in Washing Machines.

Every machine guaranteed to was Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

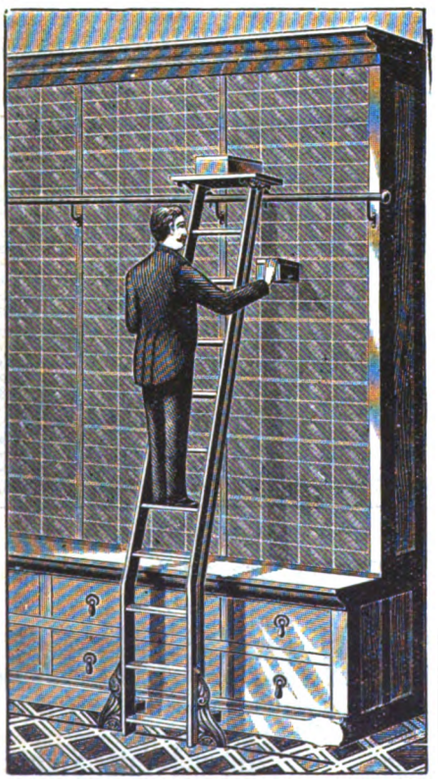
The Champion Washing Machine Co.,

213-223 West Third St., Cincinnati, Ohio.



The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,

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N. Y. Agency, E. J. HUSSEY & Co., 80 John St.

Your Christmas Stock

Is Not Complete Without the



Cream City Flour Bin and Sifter.

Made of Heavy TIN.
Handsomely Ornamented.
All Salient Features Patented.

The best combined receptacle, sifter, mixer, aerator and preserver of Flour in the world.

Keeps Flour sweet and clean, sifts it out as wanted and never wastes a speck.

The only Bin made with detachable shield over the sifter. It keeps the pressure off the reels, ensures ease of operation and prevents grinding through of impurities. Three sizes, 25, 50, 100 pounds. Made only by the

Geuder & Paeschke Mfg. Co.,

Manufacturers of TINWARE, MILWAUKEE, WIS.

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LARGEST FILE AND RASP PRODUCERS IN THE WORLD.

NICHOLSON . .
GREAT WESTERN
X. F. (EXTRA FINE)
AMERICAN . . .

The Standard Brands.

FACTORIES AT
Providence, R. I.
Beaver Falls, Pa.
Pawtucket, R. I.

MAIN OFFICE AND ADDRESS:

NICHOLSON FILE COMPANY

PROVIDENCE, R. I., U. S. A.

OPERATING FOUR DISTINCT PLANTS.

Capacity, Equipment and Quality of Product Unequalled.

CABLE ADDRESS:
"NICHOLSON,"
PROVIDENCE, R. I. U. S. A.

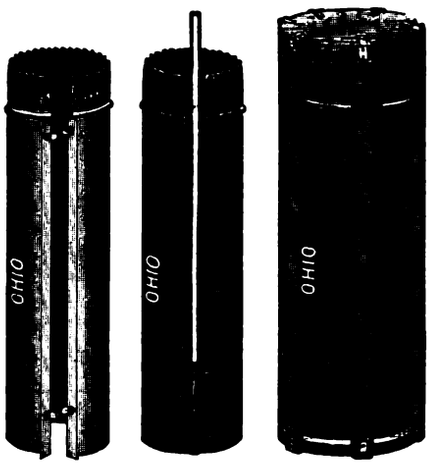
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizse:

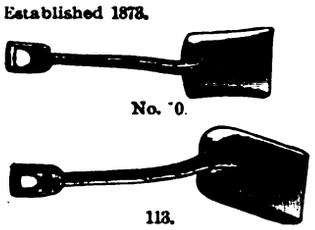
4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in.... " 6½ in ... "

Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

Established 1873.



THE WYOMING SHOVEL WORKS,

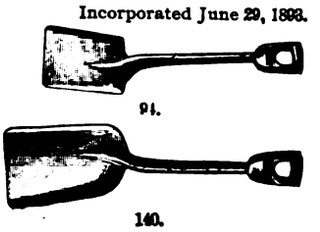
MANUFACTURERS OF

Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.
Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.

Office, WYOMING, PA. Works.
Catalogues furnished on application.

Incorporated June 29, 1893.



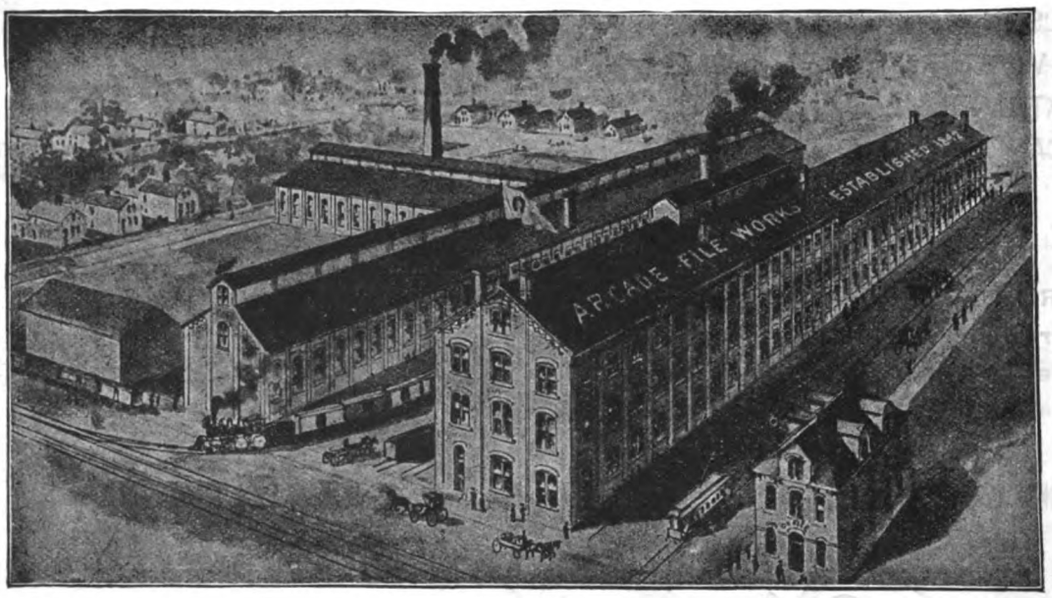
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

Eastern Office and Warehouse, 83 READE STREET, - NEW YORK CITY.



Western Office and Warehouse, 23 LAKE STREET, - CHICAGO, ILL.

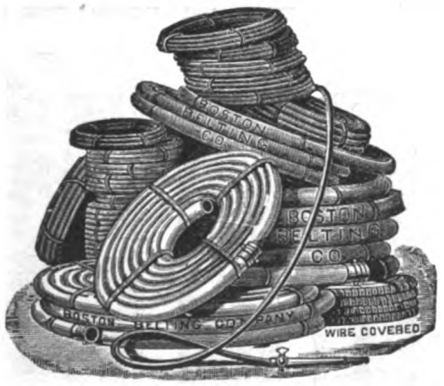
Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the Improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.

BOSTON BELTING CO.



ESTABLISHED 1828.

James Bennett Forsyth
M'f'g Ag't & Gen. Man.

MANUFACTURERS OF **RUBBER BELTING, HOSE, PACKING, TUBING, VALVES, MATS, MATTING, SPRINGS, WASHERS, &c.**

GARDEN & LAWN HOSE.

256, 258, 260 Devonshire St., Boston. 100 Chambers St., New York.

SALESROOMS:

26 Light St., Baltimore, Md.
51 Decatur St., Atlanta, Ga.
10-16 N. Commerce & Front Sts., Mobile, Ala.
316, 318 St. Charles St., New Orleans, La.
9th St. and Washington Ave., St. Louis, Mo.
201-205 W. Pearl St., Cincinnati, Ohio.
150 Water St., Cleveland, Ohio.
410-414 W. Fifth St., Kansas City, Mo.
8 and 10 E Michigan St., Duluth, Minn.
380 E. Water St., Milwaukee, Wis.
248-252 E. Fourth St., St. Paul, Minn.
237 Main St., Memphis, Tenn.
137, 139 S. Meridian St., Indianapolis, Ind.
90 Pearl St., Buffalo, N. Y.
24 Fremont St., San Francisco, Cal.
14, 16 Front St., Portland, Ore.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

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NICHOLSON FILE CO.

Largest File and Rasp Producers in the World.



MAIN OFFICE AND ADDRESS,

CABLE ADDRESS
NICHOLSON
PROVIDENCE, U.S.A.

NICHOLSON FILE CO.
PROVIDENCE. R.I. U.S.A.

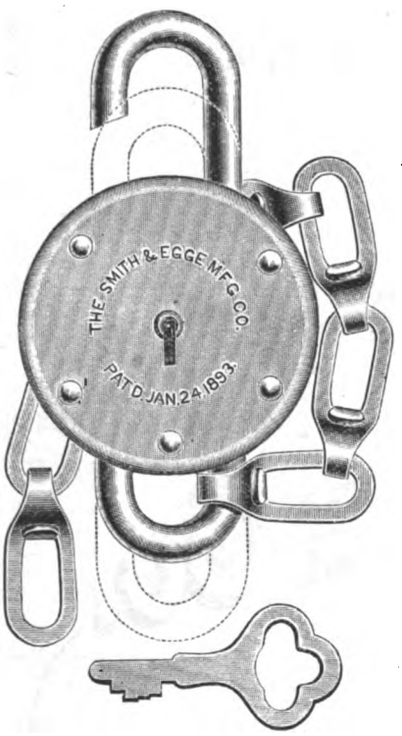
A.B.C. CODE.
4th EDITION

Standard Brands.

"NICHOLSON,"	Product of Plant No.	1,	Providence, R. I.
"X. F." (EXTRA FINE)	" " "	2,	Providence, R. I.
"GREAT WESTERN,"	" " "	3,	Beaver Falls, Pa.
"AMERICAN,"	" " "	4,	Pawtucket R. I.

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The Smith & Egge Manufacturing Co.,



BRIDGEPORT, CONN.

MANUFACTURERS OF

"THE BEST"

GRADE of

PADLOCKS,





Sash and Cable Chains, Eureka Patent Shears, Toe Clips,
Automatic Machinery, Bicycle Locks, Drill Chucks.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

S-K-A-T-E-S.

THE CALL FOR THEM IS CLOSE AT HAND!

Now is the Time to PREPARE to Answer It.

Here is the Place to Send





On page 65 of this issue, you will find the SECOND CHAPTER

OF THIS

LESSON IN SKATES.

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HARDWARE

VOL. XII. DECEMBER 10, 1895. NO. 5.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the

HARDWARE PUBLISHING COMPANY.

No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:

CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 187 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.
DETROIT, - - - No. 10 PENINSULAR BANK BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS
LARGER THAN THAT OF ANY OTHER
PAPER IN THE UNITED STATES
DEVOTED TO THE HARDWARE TRADE.

WE GUARANTEE THAT THE CIRCULATION OF
"HARDWARE" DURING 1896 WILL EXCEED

ONE HUNDRED AND TWENTY THOUSAND

AND THE SAME WILL BE PROVEN BY THE PUBLICATION IN THIS COLUMN, IN EACH ISSUE, OF THE POST OFFICE RECEIPTS FOR COPIES MAILED THE PRECEDING ISSUE.

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The Threatened Invasion from Japan.

A somewhat sensational story comes from San Francisco, that suggests more than it really says. It is to the effect that Japan has at last fully recognized her power to produce manufactured goods at a price that cannot be touched by the western nations, and that she has decided upon an industrial invasion of America that will, if carried out, drive our home manufacturers out of the market.

We would not advise anyone to close down his factories upon the strength of this relation of alleged facts. There will be a great many goods made in America not alone for home consumption, but also for export, not only this, but next, and a great many years to come. The alarmists who sent forth the startling story of Asiatic purposes, overshot the mark somewhat by going too closely into details.

The statement was made that "this new and aggressive invasion began a few weeks ago when the agent of a powerful manufacturing and commission house, whose headquarters are in Kobe and Hiogo, arrived in this city (San Francisco) and offered such inducements to merchants that they were compelled to place large orders with the new commercial giant. A canvass of the San Francisco mercantile trade reveals the fact that an unprecedented cut in almost every line of staple goods has been made by the Oriental bidder. Buttons by the great gross are delivered, duty free, at a fraction less than the actual cost per gross of the American article. Bicycles, guaranteed equal to the best high grade, are listed at $12. Japanese matches are to be laid down at a price which is destined to close every match factory in the United States. Sashes, doors, blinds and all kinds of wooden ware can be delivered, duty paid, at 30 to 50 per cent. less than the wholesale prices of local manufacturers. After placing huge orders in this city the agent left here for the East, where agencies will be established in New York, Chicago, St. Louis and elsewhere for the purpose of underselling American and European manufacturers as fast as possible."

If the button story and the match story correspond to that concerning bicycles, the statement must be taken, all the way through, with a large grain of allowance. A high grade bicycle for twelve dollars, either in Japan or elsewhere, is an impossibility just at present, no matter what may lie in the future. Col. Albert A. Pope, who is certainly a high authority, has pointed out the pertinent fact that the materials for a high grade wheel cost more than twelve dollars. It is true, he said, that bicycles have been manufactured in Japan, but they are nothing more than children's wheels, which would cost probably thirty dollars to the purchaser here, and can be manufactured to sell for that price in this country. The Japanese manufacturers would have to use American machinery to get out high grade wheels, and, while of course they could duplicate the machinery, it would be very crude and imperfect. He clinches his argument by the statement that his company are now selling Columbias in Japan at $125 each, which could hardly be done if Japan wheels could be made and sold at the price named. It is further suggested, that before coming to America and paying a duty upon her goods, Japan would first flood the markets of such great European countries as do not levy a tax upon foreign goods.

The real question of interest to America, however, goes a little deeper than the price of wheels in 1895. That Japan can take American ideas and American machinery, and make goods at a less cost than they can be made here, is beyond dispute. That she can bring them here and undersell our home manufacturers, must also be conceded.

That she will be permitted to do so, is another question.

We do not believe that America stands ready to commit suicide for the benefit of Japan or China, or any

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other nation upon the face of the globe. Before this invasion has run a very great length, something with authority behind it will be heard from the American people.

Self-protection is one of the fundamental laws that keep men and nations upon the face of the earth, and a great people that would sit down and see its industries wiped out of existence, would deserve no better fate. We do not believe that America is to be included in that category.

Pittsburg Convention Echoes.

The Association unanimously voted its secretary-treasurer, T. James Fernley, an additional $500 compensation for last year's services, which he positively declined to receive, with the statement that what he had done was for the benefit of trade in general, and not for his personal gain.

It was not generally known that the little padlocks used to lock the menu cards were made of 18-carat gold, costing about $7 each. Had some member of the committee announced this fact at the banquet, no doubt many of the guests would have been more careful with the costly little trifles.

The little shovels distributed by Hussey, Binns & Co. were quite a novelty. Everybody had a scoop.

It was estimated that the gathering at the banquet represented anywhere from $150,000,000 to $500,000,000 capital.

Mr. Fernley's endeavors to make the colored infant give musical accompaniment to the chorus of "The Alabama Coon," were fruitless, though he pinched the pickaninny vigorously.

The next meeting will be in the city of Brotherly Love, although Nashville put up a stiff fight for it.

The officers elected for the ensuing year were:

President, W. W. Supplee, Philadelphia.

First Vice-President, H. H. Bishop, Cleveland.

Second Vice-President, John Alling, Chicago.

The Executive Committee consists of S. A. Bigelow, Boston; F. F. Strong, St. Paul; Brace Hayden, San Francisco and New York; Theodore S. Buhl, Detroit; Col. B. S. Eshelman, New Orleans; C. W. Tillinghast, Troy, N. Y.

Still another souvenir was that of the Oliver Wire Co., a combination price list, calendar and blank book bound in Russia leather, the card receptacle being printed with the name of the fortunate recipient and each containing a novelty in the form of a wire screw nail pencil.

Another firm gave a mattock of silver with a cigar-cutter combined, and a third distributed a memorandum book in covers of seal.

The numerous committees were most efficient in looking after the welfare and enjoyment of the delegates, and they fairly bubbled over with information.

Hulbert Bros. & Co. Ready for '96.

The new alterations and additions to the factory of Hulbert Bros. & Co., in Norwich, although completed some time ago on all buildings which were to be used in the construction of their Majestic Bicycle, are not yet quite complete for the warehouse and shipping department which Hulbert Bros. intend to occupy shortly, as much for the convenience of their customers, in facilitating the prompt delivery of all repairs and parts, which being made down in Norwich will be shipped direct from the factory to the customers. Of course, all the selling, correspondence and details of every name and nature will be conducted in New York, as heretofore.

Hulbert Bros. make this move, as they think that in 1896 particularly, all bicycle dealers will want to get their goods promptly when wanted, and they intend not to let anything stand in the way of their making immediate shipments, nor of their being able to give the most prompt attention to every detail pertaining to repairs and parts. This can only be done by having a storage and shipping department in conjunction with the factory.

While they have not been pushing their samples out as fast or early as some of their agents seem to desire (although they will be out in a few days), they feel that the move that they are making will be appreciated by their agents later in the season for the reason that they are working every single avenue and every mechanic in making up stock, and a quite considerable proportion of the '96 mount is already finished for the entire season, so that Majestics when wanted will be ready to ship in quantities and with promptness to suit all.

It is a noticeable fact that special features in the construction of many of the '96 mounts are scarce, but on Majestics they will be plenty, and all good ones at that. One of the best features of the '96 Majestic is the fact that they will all be fitted with the Mesinger saddle.

As to Bicycle Guarantees.

At a recent meeting of the Board of Directors of the National Board of Trade of Cycle Manufacturers, held in New York, action was taken in regard to the guarantee question. The period heretofore has been one year. After a long discussion, the following resolution was introduced and adopted:

Resolved, That the following form of guarantee be recommended to the members of the Board of Trade as the standard Board of Trade guarantee: "The manufacturer of this bicycle guarantees to replace or repair any defect in this bicycle for a period not exceeding six months from date of sale to original purchaser, provided that satisfactory proof of such sale is given and that such defect is not the result of misuse or neglect, and that the defective part be delivered to such manufacturer for inspection."

A large number of the members of the board have expressed their willingness to incorporate this guarantee in their 1896 catalogues.

Those of the directors present at the meeting were: A. G. Spalding, president of the board; George Pope of the Pope Mfg. Co.; Joseph McKee of McKee & Harrington; C. W. Dickerson of the Sterling Cycle Mfg. Co., Chicago; C. F. Smith of the Indiana Bicycle Co.; E. C. Stearns of E. C. Stearns & Co. A. Kennedy-Child, secretary; Ernest R. Franks, the assistant secretary, and Walter Burnham were also in attendance.

Doing a Big Wire Business.

C. Hanika & Sons, Muncie, Ind., have purchased the Muncie Architectural Iron Works, and have made many improvements, adding new machinery and patterns for manufacturing iron and wire fencing. They have just issued catalogue A, showing a large variety of wire fencing, also a special fence catalogue No. 13 of the Hanika wrought iron fence. They are fitting up a special department for wire office railways and grill work, nickel and electroplating. Any one needing anything in their line will do well to correspond with them and get their catalogues. Mr. C. Hanika has had twenty-seven years experience in the iron fence business, which enables him to offer special advantages to the trade. They have special advantages for supplying all demands, especially the Southern trade. Their goods have been used in every large city in the South, and stand as monuments to their high quality. See their advertisement in this issue.

Bittenbender & Co., Scranton, Pa., will continue their bicycle department on a large scale for 1896. They have placed some large contracts for leading cycles, and control eleven counties in their section for the Gold Crank Falcon.

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MAKING ADVERTISING PAY.

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

Advertising to pay must be made to pay.

The good of all good is in so handling the good that the good of it does good.

Poor advertising pays poorly—good advertising pays well.

Good goods and poor advertising may be as profitless as bad goods and good advertising.

Unless the quality of the goods, and the quality of the advertising, harmonize, there is no profit in publicity, except that transient profit that no decent man cares about.

The conventional advertisement has a value, although it has looked backward over a quarter of a century.

The selling value of anything is partly in the appearance of it.

Intrinsic value, covered with a bushel basket, is no more salable, and perhaps not so salable, as less value well presented.

A ham sandwich, with a wide, thick table-cloth and napkin as big as a towel, with a waiter of immaculate blackness, and a well-set table, is more appetizing than terrapin and game served in a horse trough.

The diamond is not more brilliant than coal before it is polished.

Make the goods look as well as they are, provided they are as well as they look.

Make the advertisement look as well as the goods.

The advertisement which reads—

JOHN SMITH,
Manufacturer of
Hardware,

may bring Mr. Smith some business, but it will not bring him the business that is sure to come from an advertisement which advertises what Mr. Smith sells more prominently than Mr. Smith himself.

Mr. Smith is not for sale—that which he makes is for sale.

The buyer cares nothing about Mr. Smith beyond Mr. Smith's reliability and character.

He cares everything about the quality of what Mr. Smith makes.

I do not depreciate the value of keeping Mr. Smith's name before the public, but I do not believe in advertising Mr. Smith to the prejudice of what Mr. Smith makes.

Three-quarters of the advertisement, and the largest type, should be used in announcing the articles manufactured. Too big type cannot be used—the bigger the better.

Better hit the pocket-book of one man, than the feet of a dozen.

One word inside of a man is worth one hundred outside of him.

No matter what you sell, advertise it, with your name and address as a matter of necessity, but don't place your name at the top of the advertisement in the largest type, followed by a conglomeration of what you make, so mixed up, and so insignificant, that one can't separate the wheat from the chaff.

If you manufacture a dozen articles, don't conspicuously speak of more than one of them at a time, unless you have separate advertisements for each.

There is no objection to advertising some one article prominently, and in small type following, speak of the other lines carried.

Let the advertisement have the advantage of always profitable oneness.

Copyright, 1895, by Nath'l C. Fowler, Jr.

Let it appeal to the buyer on some one particular thing, that thing to be changed to another in the next issue of the paper, if you make other things.

If you manufacture a dozen articles, advertise one prominently, with the others very much less prominently; then the next time advertise another prominently, and the other less prominently, and so on.

Don't say much in your advertisement.

It is not the business of the advertisement to sell goods. It is to assist your salesmen and your catalogue in selling.

It is the business of the advertisement to create correspondence, to separate the probable from the possible customers, to bring into your office letters which indicate that certain people desire certain goods, and it is then your business, and the business of your employees, to sell them.

Trade paper advertising would be worth double what it is to the advertiser, if the advertiser made his advertisements specify something in particular, not everything in general.

Make one point at a time, and only one.

Advertise prominently the thing for sale, not the seller of it.

Councillor Ben Lovell.

"A prophet is without honor, except in his own country," is a trite old saying and one that might have been applicable to biblical times, but it can hardly be claimed that it applies to our times and conditions, as is vividly illustrated in the social, business and political career of Col. Benj. S. Lovell, of Weymouth, who has been recently elected a member of Governor Greenhalge's official family, styled the Council, from the Second District, by a plurality of over 10,000 votes.

Colonel Lovell has held many offices of trust and honor, both political and social, and has attained to an elevated, honorable and enviable position in the business world. And the continued and loyal support with which his fellow citizens delight to honor him is but a merited tribute to his sterling worth and character as a citizen, a merchant and a friend and neighbor. It is seldom that a man of mark enjoys the distinction of being held in such high esteem, as well by his business rivals and political opponents as in the circle of his own friends and political supporters. And it is perfectly proper to add here that this loyalty of friendship is not due to the glamour or glitter of wealth, which draw around many nabobs a fawning retinue of cringing servitors and flatterers, but is due to the sterling qualities of head and heart possessed by that prince of good fellows, Col. Benj. S. Lovell. With charity for all and malice toward none, Colonel Lovell has endeared himself to thousands of his fellow veterans of the war and the dependent widows and orphans of those who have been mustered into that grander army beyond. Colonel Lovell comes from vigorous Cape Cod stock from the men of bone and sinew, combined with brains and good sound common sense that have made their mark in whatever walk in life they have chosen to tread.—*Quincy (Mass.) Ledger.*

T. F. Campbell, who has been very successful in the Hardware business in New Brighton, Pa., has engaged with the American Pump Co., Toledo, Ohio, from the beginning of 1896, and will look after their interests in Pennsylvania.

The Richardson-Boynton Stove Co., Dover, Del., have awarded the contract for the erection of buildings to cost $95,000.

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The Colonial Bicycle.

John McClave & Sons, Nos. 602-4-6 West Twenty-second Street, New York, have commenced the manufacture of the "Colonial" Bicycle, and have made their announcement for the season. In the course thereof they say: "In the line of that material progress which is constantly going on in this world, the undersigned, in presenting to the public the Colonial Bicycle, feel that they are justified in saying that they have succeeded, after a long time in labor and a large expenditure of money, in so constructing the Colonial as to make it not only fully equal to anything in that line that has ever been placed before the public by the very best manufacturers, but feel justified in saying (and the most careful experts in the cycle line concur in the statement) that it is superior to any bicycle that has ever been made, in its design, finish and durability. The manufacturers made a special study in ascertaining what, if any, weak points could be discovered in bicycles heretofore made, and after ascertaining the exact location of such weakness, set to work to so strengthen and perfect such parts as to give to their bicycle a durability superior to anything which has yet been produced. In brazing the various parts together wherever the weakness on any of the best machines has ever been discovered, they have, in addition to the brazing, placed a steel jacket, which, while it adds to the finish, so strengthens the part as to make it impossible for any breakage to occur. Experience has further taught riders that dust or gravel, to a greater or less extent, succeeded in working its way into the bearings and destroyed its proper workings. To obviate that difficulty we have made our cones or coverings not only of the very best steel, but have also made them absolutely *dust-proof*, so that there is no possible danger of any interference with the workings of the bearings from the very annoying difficulties in that direction which bicycle riders heretofore have been subjected to. We have also strengthened the forks by placing and brazing on the inside a steel protection, so as to make them capable of sustaining a pressure at least five times greater than has ever yet been known. Buyers of bicycles will best realize the importance of purchasing the handsomest and the most durable that can be made, when they bear in mind that the money they expend in purchasing should not be looked upon in the light of an expenditure for temporary pleasure, for the bicycle is a permanent fixture; it has passed beyond any limits of mere pleasure or exercise. It has forced itself on the attention of the people generally throughout the entire world. Aristocracy in England and France, as well as in this country, has recognized its worth. The price of these machines is $100. And with each the usual guarantee."

Our Widening Export Trade.

A notable feature of our export trade in recent months has been the widening of the markets for American manufactures. Thus this fall $100,000 worth of American cotton fabrics have been sent to Arabia, while Roumania, Turkey and Spain have placed trial orders for Hardware. Russia has bought very large lines of American manufactured rubber. Brazil has placed large orders for chemicals of American manufacture. France bought American bicycles to the value of $12,000 this autumn, while the United States of Colombia purchased $8000 worth of American "wheels." South and Central American countries have bought large quantities of American cutlery. The Argentine Republic took $60,000 worth of binding twine. Electrical material is in demand in Brazil, which between August 1st and October 1st placed orders for more than $30,000 worth of it in the United States. Australia favors American carriages, and has bought many this autumn. South Africa is a very large purchaser of American manufactures, notably of agricultural implements, machinery, trunks and bags. There has been a large increase in the exportation of agricultural implements this fall, Argentina taking them to the value of $270,000, while Uruguay's purchases footed up $52,000. England is the largest purchaser of our manufactured goods, especially of those that may be called "Yankee inventions." The Australian colonies have recently expended $60,000 for American paper and paper goods. The exports above mentioned, it should be said, are those from the port of New York alone, and other ports will considerably swell the total of our shipments to foreign nations.—*Boston Transcript.*

More Pointed Commendations

Some more commendations of the Bicycle Step Ladder, received by the Bicycle Step Ladder Co., Chicago: A. A. Cargill, Mason City, Ill.: "The ladder works to perfection, and I find it a great convenience and am well pleased with the same." F. Diehl, boots and shoes, Woodsfield, Ohio: "Ladder has come in and I had it put up immediately. I am well pleased with it, and in fact it is just what I wanted, and would not hesitate a moment to recommend it to anyone." H. C. Miller, department store, Staples, Minn.: "The Ladder is immense." W. A. McNamara, furnishing goods and shoes, Eureka, Cal.: "Enclosed please find exchange for your bill of ladders. I consider them a good investment. Did not know what I had missed until they were placed and in use." A party, in remitting $104.70 for an outfit of ladders, writes: "When ordering I thought the price a little high, but I now have the ladders in use and would not do without them for four times what they cost me."

The Derby Razor Co.

The Derby Razor Co., Derby, Conn., and No. 64 Reade Street, New York, announce that having purchased the entire plant of the Eastman and Herbrand Razor Co., Fremont, Ohio, they will continue and extend the manufacture of "a full and complete line of fine razors of all kinds from a very superior grade of steel, and by a new and improved method of tempering." They add: "We employ none but the best skilled workmen, and have men of years' practical experience at the head of each department. All razors are thoroughly inspected, and no imperfect razor is allowed to pass the inspector. We make a special fine line of razors for the best barber trade. Every razor bearing our brand is fully warranted. Our motto is 'Not How Cheap, but How Good a Razor We Can Make.' We are also owners and manufacturers of the Derby Safety Razor, which has already established a high reputation for superior quality and simplicity. We also manufacture a large line of Razor Strops, many new and attractive patterns." Prices and full details will be sent to all who desire.

Divine Bros.' Removal.

The Divine Bros., who have so successfully established the manufacture of a high grade of Buffing Wheels, at Chadwicks, N. Y., have decided upon an advance step, by the removal of their works to Utica, N. Y. This change is made necessary by the rapid increase in their business, the new building giving them over 7000 square feet of floor room, and increasing their capacity three times. They will make a special drive on spirally sewed buff, and are adding woolen and cotton flannel goods to their line. The quality of their goods has brought them more business than they could take care of, but their new building will give them plenty of room to take care of what comes.

One-half ounce of camphor dissolved in one pound of melted lard, with as much black lead mixed in, as will give it an iron color, makes an anti-rust preparation for all kinds of tools.

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The Good Work of One Club.

The Implement, Vehicle & Hardware Dealers' Club of Kansas City has set a good example to men in other lines of business in giving to the public some accurate data relative to the amount of business done by its members. With the exception of the bank clearings, the very complete record of live stock business kept by Secretary Richardson of the Stock Yards company and the reports of grain receipts and shipments, there are no authentic records of the trade of Kansas City. The amount of the city's wholesale trade in various lines has always been a matter of guessing, and for that reason the annual reviews printed by the newspapers are of little or no value to anyone. The Implement, Vehicle & Hardware Dealers' Club has adopted the plan of obtaining from each member an accurate statement of the amount of the year's business done by his house, the number of men and the amount of capital employed, and the wages paid. These individual reports cannot be obtained except upon the agreement that they shall be used solely to make up the aggregate sums, and shall then be destroyed. Men are rightly jealous of their business records, and no one wants to spread before the public eye the details of his business affairs. But the plan adopted by the implement men removes all danger of these figures being used to hurt the business of any of those who furnish them.

The records of the past year, as summarized by President Stowe at the banquet of the club last night, show that the amount of business done in these allied lines this year is almost sixteen million dollars. The figures are somewhat below the guesses heretofore made, which have ranged from fifteen millions to twenty millions, but as the past year has been one of poor crops in the Southwest, and the coming year promises to be one of prosperity on the farms, it is probable that the record for 1896 will be in the neighborhood of twenty millions.—*Kansas City (Mo.) Star.*

M. & W. on Wheels.

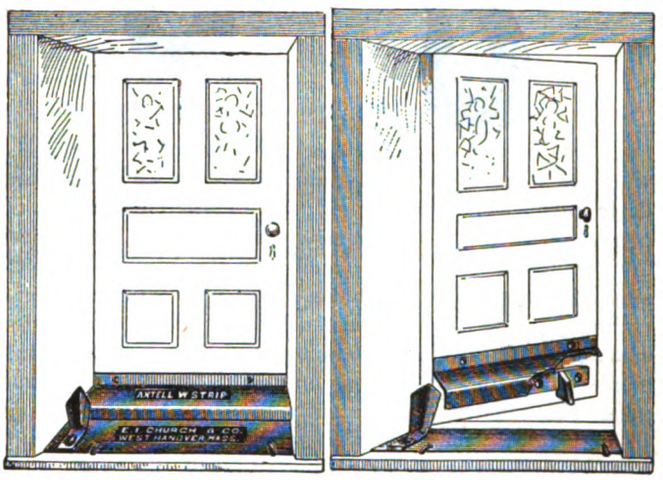
The firm of Morgan & Wright, of Chicago, manufacturers of the quick-repair tire for bicycles, has quite a unique method of introducing its goods to the bicycle trade. Eleven of its representatives were in Cleveland yesterday in a private car, specially equipped for the purpose of visiting thirty-seven of the principal cities of the country in thirty-two days. An invitation was extended, through the newspapers of the city, to the bicycle trade and the riding fraternity, ladies as well as gentlemen. It was responded to by a very large attendance. The ladies were presented with a very handsome souvenir and flowers, and the gentlemen were regaled with cigars. The car left for Buffalo at midnight.—*Cleveland World.*

Death of Milton Rogers.

After an honorable and successful business career of over forty-five years, Milton Rogers, founder of the house of Milton Rogers & Sons, died at his home in Omaha, Neb., November 12th, at the age of seventy-three. This announcement will be received with deep sorrow by his many friends and customers, with many of whom he did business for a generation. In the year 1850 he, with other pioneers, located in the village of Council Bluffs, but as the succeeding years passed, it became evident that Omaha had a brighter future in store, and, in 1855, Milton Rogers established in that city, near Tenth and Farnam Streets, the first stove and tinware store in the Territory of Nebraska. Four years later he purchased the site where their store now stands, and erected a frame building thereon, the business having shown steady growth from the first. In 1868, one year after Nebraska was admitted to the sisterhood of States, the brick store building, now occupied by them, was completed. Upon this sure and lasting foundation the lamented head of the house builded a business that for nearly half a century has kept pace with the growth of the city and State. The name of Milton Rogers has long been a synonym of honor and business integrity, and his sons, Thos. J. Rogers and Warren M. Rogers, who succeed to the business, will hereafter conduct it after the general plan, and with the same steadfast purpose, which so distinctly characterized the life work of the founder.

Axtell Metallic Weather Strips.

E. I. Church & Co., West Hanover, Mass., are successfully manufacturing and marketing the Axtell Metallic Weather Strip, the purpose and application of which are shown in the accompanying illustrations. They state "that they have manufactured this strip for five years, and, after testing it under every condition in all parts of the country, we warrant it to combine every excellent point needed for a perfect strip." They are described by the makers as follows: "Axtells are simply two strips of steel 36 inches long, 1½ inches wide, and easily cut with file or cold chisel to fit narrower doors. They are quickly put on, only two parts, and do not get out of order. Common style being finely



lacquered is an ornament to any door, and is furnished in extra lengths to 48 inches. We also furnish them in brass or white enamel to order, in any length to 42 inches. Our claims of superiority: The Axtell is wholly steel and will not warp or split. Has no wood or springs to break. No rubber to harden and pull out. Does not spring the door, but keeps it straight and true. Not affected by ice, cannot be frozen down, or pulled apart. It takes the lead because so easily applied and always in perfect order. Its low price brings it within the reach of all." They furnish working models, 10x14 inches, free to all customers, and will be pleased to send prices, testimonials, directions, etc., upon application.

Death of Mrs. J. E. Sleight.

J. E. Sleight, the veteran Hardware salesman, and member of the firm of Church & Sleight, No. 109 Fulton Street, New York, was called home suddenly from Springfield some days since, by the severe illness of his wife. He reached his residence, No. 440 Classon Avenue, Brooklyn, in time, but soon after his arrival she peacefully passed away. Her death was the result of a paralytic stroke. For thirty-eight years Mr. and Mrs. Sleight traveled the road of happiness together, and in his great loss he will receive the sincere sympathy of thousands of friends who knew them both, for Mrs. Sleight often accompanied her husband upon his travels, and was loved and respected by all who knew her.

Brooms were used in Egypt 2000 years B. C.

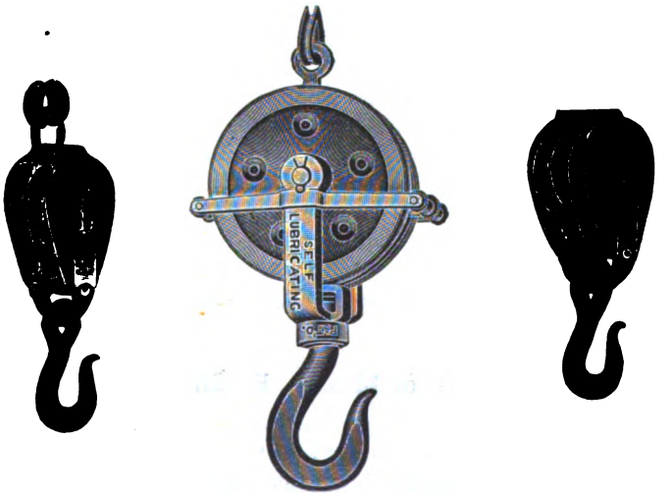
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The Cleveland Blocks.

The Cleveland Block Co., leading manufacturers of Tackle Blocks, located at Cleveland, Ohio, have recently effected improvements in their regular lines of goods, whereby the use of open hearth steel is increased, and the blocks rendered at once stronger and lighter. Assuming



that the use of a metal block to replace those made of wood is a permanent advance, this company have bent their entire energies, backed by abundant capital, to the construction of the best metal block which the best materials will form. Their machinery is new and adapted to the single purpose outlined above. The points of superiority claimed by this concern consist, briefly, "in the use of steel straps, hooks, pins and rivets, together with malleable iron shells, made upon the most approved mechanical principles. The construction is readily shown in the illustrations, by an examination of which it will be seen that the strength of the block does not depend upon that of the shell, which is merely a protection to the working parts of the block,



the steel straps extending past the steel pins. The sheaves are the only parts to wear, and can be replaced by means of spring cotters as readily as in the old fashioned wooden blocks." The same company make Gin Blocks, and a large variety of blocks for other purposes.

Crawford Distributing Agents.

The Crawford Mfg. Co., Hagerstown, Md., and Nos. 70 and 72 Reade Street, New York, announce the following, as distributing agents for their well-known Crawford Bicycles:

Julius Andrae & Sons Co., No. 225 West Water Street, Milwaukee, Wis., for Wisconsin, Iowa, Illinois and a small portion of the Northern end of Indiana.

McIntosh-Huntington Co., Cleveland, Ohio. Ohio, Indiana, West Virginia Western Pennsylvania and Western New York.

Morley Bros., Saginaw, Mich. Michigan and Canada.

Farwell, Ozmun, Kirk & Co., St. Paul, Minn., Northwestern Agents. Minnesota, North and South Dakota, Montana, Idaho, Washington and Oregon.

Bigelow & Dowse Co., No. 229 Franklin Street, Boston, Mass. New England.

Wier & Wilson, No. 14 West German Street, Baltimore, Md. Maryland, Virginia, West Virginia, North and South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Arkansas, Tennessee.

Edwin Mohrig, No. 1510 Market Street, San Francisco, Cal. California.

A. L. Deane & Co., No. 1724 Lawrence Street, Denver, Col. Colorado and New Mexico.

Charles G. Kilpatrick, the one-legged trick rider, and his wife will hereafter ride Iver Johnson cycles, "the old established wheel with a new name." Kilpatrick has always ridden wheels manufactured by Iver Johnson's Arms & Cycle Works, and refuses to ride any other make. He, it will be remembered, is the man who achieved fame by riding down the Capitol steps at Washington. One of his greatest feats is to ride down a flight of steps 110 feet long, an undertaking which shows the nerve of the man and the strength of his wheel. His wife is also a first-class trick rider, and the two will give exhibitions in all parts of the country next year.

The Hardware Merchants' Association of New Haven, Conn., had a banquet several evenings since in parlors A and B of the Tremont Hotel. The men who surrounded the edibles and liquids were W. S. Clark, A. H. Jackson, N. H. Coe, J. H. Lyon, Frank Lindsley, Robert Lightbourne, Robert B. Bradley, William A. Warner, M. J. Welch, R. A. Warner, George Baker, E. L. Isbell, G. H. Bishop, W. H. Burchell, G. A. Bassett, F. L. Leighton, L. L. Rosenberg, G. W. Warner, H. E. Nettleton and Edward Hunn. Everybody made a speech and feasted himself to the limit of anatomical propriety.

The first calendar to reach us for 1896 is a handsome production from William Jessop & Sons, Limited, No. 91 John Street, New York. It shows a heroic female figure armed with a sword, and protected with a helmet and chain corselet, made of Jessop's steel. In other particulars also she is up-to-date. The background is of dark green and red, with a band of lighter color near the top. "Make no mistake; use Jessop's steel for tools, dies, cones, bearings, taps, etc. It is the best," is the anuouncement that appears across the face of the calendar.

Howard E. Stoughton, son of Edward P. Stoughton, of the Millers Falls Co., No. 93 Reade Street, New York, is representing the company on the road. His territory embraces Chicago, St. Louis, Kansas City, St. Joseph, Omaha, Sioux City, St. Paul, Minneapolis, Duluth, Milwaukee, Burlington, Davenport, La Crosse, Dubuque and other cities. Mr. Stoughton is making many friends in the trade, and has a bright future before him.

M. N. Sweet, of Battle Creek, Mich., representing Studley & Jarvis, of Grand Rapids, left Thursday for Louisville, Ky., from which point he continues South and West, taking in the principal jobbing points. His line consists of Cycloids in high grades, S. & J.'s in medium priced, and "445" Specials—the latter being cheap and juvenile wheels, something at an interesting price and light weight.

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HOW TO EXTEND EXPORT TRADE.

The Massachusetts State Board of Trade, an influential organization composed of manufacturers and merchants of the principal cities of Massachusetts, recently invited Mr. F. B. Thurber, of New York, to speak on the subject of "Export Trade," at their annual dinner, which was held at the Parker House, Boston, November 22, 1895. Mr. Thurber's remarks were as follows:

Mr. President and Gentlemen of the Massachusetts State Board of Trade: As Chairman of the Committee on Foreign Commerce of the New York Chamber of Commerce, I have given some study to the question of broadening the market for American products; and I presume it is to this that I am indebted for the invitation to be with you to-day.

Some years ago, while on a voyage around the world, I made the acquaintance of an English cotton manufacturer in Bombay, who told me of the wonderful development of cotton manufacture in India, and prophesied that they would soon be supplying all the cheap cotton goods used in the East. I told him I had just come from China, where American cottons were taking the market for fine goods, because they were not loaded with clay like the English goods; and I said: "Well, if you take the market for cheap goods, and we for fine goods, what are the Lancashire manufacturers going to do?" "Oh," said he, "the mother country will open up Africa, and make it the fashion to wear breech clouts;" and, Mr. President, that is precisely what British statesmanship has been doing ever since. Every effort of an English manufacturer to reach new markets finds a ready response on the part of the British Board of Trade—a department of the Government—to support him. Diplomacy is not above advancing trade interests. Force is at hand to protect the rights of traders. Liberal pay is accorded to steam lines for the carriage of ocean mails, and the entire national influence is constantly exerted in this direction.

At the November meeting of the New York Chamber of Commerce, the Committee on Foreign Commerce submitted the following report, which was adopted unanimously:

"To the Chamber of Commerce:

The events of the past year furnish some object lessons to American producers, manufacturers and merchants, which are worthy of more than passing consideration. The war in the East has probably inaugurated a new epoch for hundreds of millions of people. The partition and opening up of Africa is scarcely less important in its ultimate results to commerce. Thus far our increase in population and wealth in this country has measurably kept consumption on a parity with production, but evidences are not lacking that this state of things cannot continue. If we would keep step to the music of the times, and keep our labor and capital remuneratively employed, we must bear in mind the wants of the other thirteen hundred and seventy millions of people who constitute the population of the world—both natural and creative, or educational wants. There are some encouraging signs that our people are not insensible to this: the favor with which the efforts to create a new navy and build up a commercial marine have been greeted is an earnest of times when the American flag may again be seen floating in all parts of the world. The genius of our inventors is everywhere recognized, the quality of our products everywhere commended. If we are true to our traditions and appreciative of our opportunities, the United States will lead the world in the race for commercial supremacy."

The following resolutions are respectfully submitted:

Resolved, That in the opinion of this Chamber, the present year marks an epoch in commercial history; that the present is a time worthy of the best efforts of our producers, manufacturers and merchants to extend the export trade of the United States, and that these efforts should be supported by a wise and progressive policy on the part of our Government. The principle of reciprocity should be recognized in our diplomacy; our Consular service be controlled by civil service rules and adequately compensated; and our carrying trade be fostered as far as possible by liberal pay for the carriage of mails on the ocean as well as on land.

Resolved, That the step recently taken by the present Administration in the direction of placing a portion of our Consular service on a business basis is worthy of all commendation, and should be followed as fast as practicable by further steps in the same direction."

Our own Government has been making progress in this direction, and our diplomatic and consular representatives are not lacking in patriotic interest; but we are far behind in organized effort to place the merits of our goods before the consumers of the world.

Perhaps this is not surprising, considering that our home market is the best in the world; and I, for one, would protect and develop to the utmost this outlet for our goods. That good man and good citizen, the late Peter Cooper, once said to me: "Mr. Thurber, nothing can be called cheap which leaves our own good raw materials unused and our own labor unemployed." And in this sentiment I fully concur. But a nation which controls such resources in fields, forests, mines and factories, as the United States controls; which has mastered the forces which now control the world—steam, electricity, machinery and publicity—as we have mastered them, will not be satisfied to ignore the market which the other thirteen hundred and seventy millions of consumers on the globe presents. But to get this market it is necessary to let the people of the world know the merits of our wares and have easy access to them. The chief thing necessary is publicity. It is useless to produce a good thing unless you let the world know it. From time immemorial the public crier, whether in street or minaret, has called men to trade or prayer. The printing press and the post office have become the public crier. I venture to say that every dollar expended in publicity has yielded, and will yield, a larger return than any other. No matter how crude or ill-directed, the sum total of results in the majority of instances will be on the right side.

There are many methods of publicity. Trade bodies may not be able to collectively advertise the specific merits of the wares manufactured by their members, but they can organize the conditions which make such efforts and expenditures effective.

A small co-operative expenditure on the part of the producers, manufacturers, carriers and bankers of the United States in presenting our facilities to the world at the present time, will yield fruit a hundred fold, and gradually transfer the center of exchange from the old world to the new, with all that it implies. The circumstances are ripe for intelligent effort. Seeing that our commercial bodies could not do the specific work necessary, I have only this week organized the "United States Export Association," incorporated under the laws of the State of New York, with a nominal capital, in order to limit the liability of its members to the amount of membership dues, and with the following specific objects in view:

1. To maintain at the chief seaport of the nation an information bureau for American exporters and foreign buyers, and endeavor to bring them together.

2. To advertise this fact abroad so as to stimulate inquiry, and through intelligent agents keep our manufacturers and producers posted on what our foreign competitors are doing.

3. To co-opearte with and encourage every individual

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and collective effort to extend the consumption of American products.

If this can be made a nucleus around which American interests will rally they can conquer the trade of the world. Trade is the great missionary, and if we ever realize Tennyson's dream of "the parliament of man, the federation of the world," it will be through the efforts of the manufacturers and merchants of the world.

The export trade papers published in the language of the countries where circulated, are sowing good seed, and the commercial museums furnish a link in the chain of effort. The city of Philadelphia, as you are perhaps aware, has established such a museum, supported by an appropriation from the municipal government of $50,000 a year. A building known as "The Bourse," covering a block of ground, designed for offices and general business purposes, with a portion of the space adapted to commercial exhibits, has recently been erected there.

In New York the Goelet estate, some five years ago, erected a similar building, covering the entire block between Forty-third and Forty-fourth Streets, Lexington Avenue and Depew Place, and an effort was made by a private company to establish a permanent commercial exhibition; but lacking municipal support and failing to secure sufficient revenue from exhibitors, it failed. It has, however, been recently organized, and with manufacturers at the present time more alive to the usefulness of such effort in bringing producers and buyers together, it bids fair to succeed. If such an enterprise can be useful anywhere, it would seem that the place for it is at the commercial threshold of the continent, a port at which 66 per cent. of the imports and 47 per cent. of the exports of the entire nation arrive and depart.

I bespeak for all of these efforts the intelligent encouragement of the great interests which the men around this board represent. Many of you spend thousands of dollars a year in advertising and pushing for domestic trade; and, while not advocating that you relax your efforts in that direction, I earnestly call your attention to the advisability of sowing a little seed in the virgin soil of export trade. Some of you have already done so with good results. Others have attempted it when conditions were less favorable, and, perhaps, have been disappointed; but the time was never so ripe for intelligent effort in this direction as at present.

"Hop's" Corner.

When jobbing houses in the various lines were plentiful, especially in the days "before the war," it was the custom for the resident salesmen—"travelers" as we know them at present, being an unknown quantity—to make an iron-clad "combine," so that buyers for an assorted stock, especially for a country store trade, couldn't get away from the metropolis until every bit of their purchases possible to keep here was kept from going to Boston or Philadelphia, both cities being noted for selling some lines of goods at a closer profit than New York, and thus making them worthy of receiving a visit from the buyers shrewd enough to study the shades of distinction between markets.

One of the best working combines I ever knew in those times, was formed by George Knickerbocker (hats and caps, etc.,), Stale N. Wood (clothing). (He was for a number of years, recently, forestry commissioner, retained in office for at least five years, waiting for a Democratic legislature to confirm a successor.) John Brownson (Yankee notions), and George S. Huntting (Hardware). These young workers all came from Cattaraugus, Wyoming and Allegany Counties, N. Y., positively green when they landed in the city from their rural homes, but with an acquaintance among the many storekeepers in those three counties, and knowing almost everybody else. They used to stay in New York during eight months in the year, the business being done in seasons, spring and fall, and then go home in the summer and winter, two months each time, drive around with horses and wagons owned by themselves, visiting every hamlet; not to sell any goods—for then these customers in the different seasons laid in a six months supply—but to shake hands with their customers, patronize the tavern for a "ball" or two, and keep up the confidence and close acquaintance which made the dealers seek them as soon as they reached the city in quest of goods. The boys did not wait until they came to the store, but would hunt them up at the various hotels, it being part of their daily duties on their way home to look over the registers of a number of hotels and note the arrivals, and I can remember how extremely interesting it was to do so. When the customer arrived the boys would usually give him a good rousing old time for the four or five days which constituted the visit, but would manage to pass him around to each of the combine, until they could not think of another thing to sell. Then again the combine were useful in more ways than one; they frequently bolstered up the credit of a customer, who without some such help would know embarrassment. You see a countryman buying on such long time as six months, had to show he was worthy of credit; in which matter the combine would furnish a reference from each house they represented; and when as sometimes happened a customer did get in financial trouble, the boys would engineer a fair settlement, and in many ways were faithful to both the house and customer, and the tribe of hungry lawyers had but small chance to make a dividend. These combines are not so largely prevalent now. The traveling representatives from the various jobbing houses have made the dealer's visits few and far between. He buys now at his own door on short time, all the goods he wants; and can buy from competing concerns, thus keeping profits low and assortments good.

"Hop."

The Samuel I. Goodall Co., No. 605 South Seventeenth Street, Philadelphia, manufacturers of Bailey Pattern Planes, will, about the first of the year, enlarge their plant and add more machinery, which will enable them to increase their output. They feel confident they are now making the best Bailey Planes and are very much pleased at the result of this year's business.

At a meeting of the Kansas City Implement, Vehicle & Hardware Club these officers were elected for the coming year: F. L. Kaufman, president; F. E. Lally, vice-president; A. G. Trumbull, treasurer; O. V. Dodge, secretary; George M. Moore, John Conover, W. S. Dickey, J. S. Welsh and George W. Fuller, executive committee.

The Kansas City Stove Works, Kansas City, Mo., have been incorporated by D. A. McKibben, John A. Moore, William Masters, John A. Duncan and Frank Kump; to manufacture and repair furnaces, stoves and ranges of all descriptions. Capital stock, $40,000.

The Stiles & Fladd Co., Watertown, N. Y., has been incorporated by G. A. Bagley, W. A. Knowlton, F. C. Fladd, E. S. Stiles and Albert Fish, of Watertown; to manufacture presses, dies and general machinery. Capital stock, $60,000.

The Plano Implement Co., Plano, Ill., has been incorporated by J. E. Turpin, W. W. Owen, F. W. Lord, A. C. Sanders, C. M. Morris and J. D. Morris. Capital stock, $36,000.

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Nies Emergency Tire Clamp.

Nies & Person, No. 160 Fifth Avenue, New York, have introduced an Emergency Tire Clamp as here illustrated

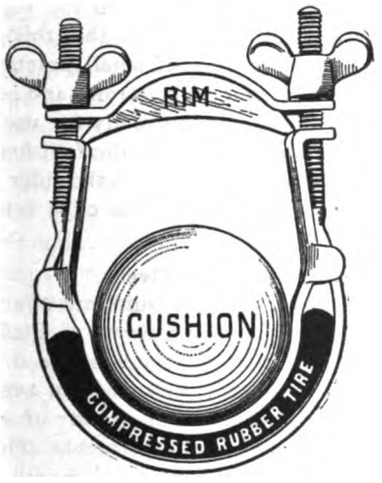


FIG 1.

for use on bicycles in case of a torn or punctured tire. The device consists of two arch-shaped, nickel-plated steel bands, about ¼ inch wide, placed one inside of the other and adjusted by the use of thumb screws, as in Fig. 1. When a tire is punctured the two arched bands are taken apart, and one band is placed over and the other under the tire, the upper one covering the puncture, when the bands are brought together by the use of the thumb screws, thus pinching the tires together and shutting off the punctured portion. The tire is then inflated to complete the repair. The clamp being semi-circular in shape, forces the tire to maintain the same form as the balance of the inflated wire. The clamp weighs less than two ounces. For a torn tire or larger hole, two clamps are used as in Fig. 2. The clamps are adjusted on the tire in the manner already described, one clamp being placed on each side of the opening. A rubber ball or cushion is provided to place on the rim directly under the hole and between the two clamps, though not so shown in Fig. 2, after which the clamps are tightened until the tire is pressed sufficiently to prevent the escape of air from the injured portion, when the tire is inflated. The point is made that when riding with the clamps on the tire no jar is felt, as the upper contour of the tire is not disturbed, and that the clamps do not cut the

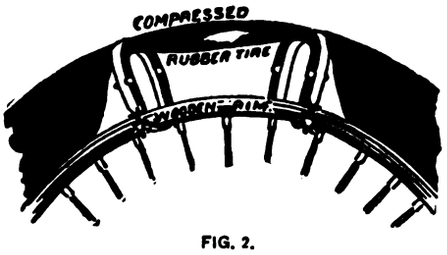


FIG. 2.

tire. For a leaky valve a clamp is placed on each side of the valve. The manufacturers remark that while the device is intended for temporary use, a tire mended in this manner can be used for any necessary length of time.

Simplex Repair Outfit.

The New York Tire Co., Nos. 59 to 61 Reade Street, New York, are placing on the market a Repair Outfit of single tube tires as illustrated herewith. It consists of a reamer, expander and plug holder. In use the puncture is first enlarged with the reamer, Fig. 1, by working it around and down as far as it will go, after which the point of the

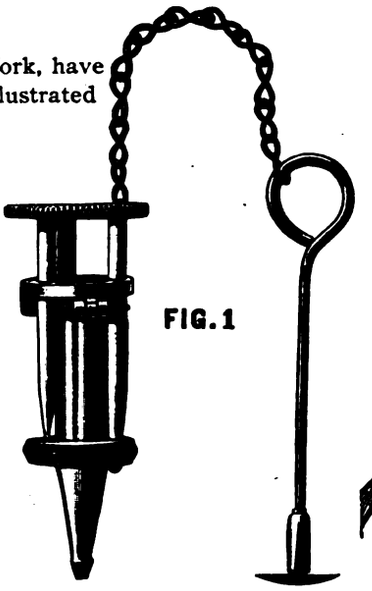


FIG. 1.

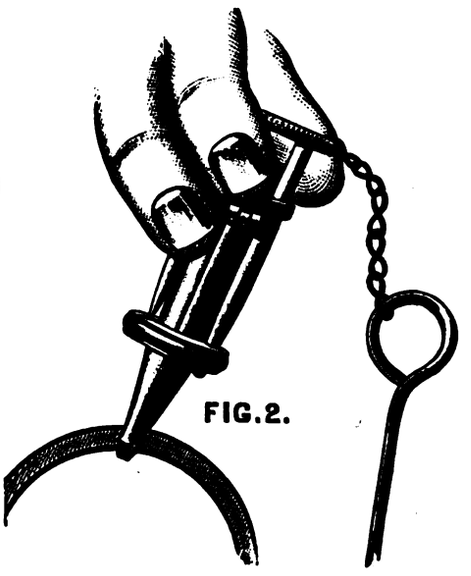


FIG. 2.

expander is forced through the puncture as shown in Fig. 2. The top plate of the instrument is then forced down until it touches the plate beneath it, as shown in Fig. 3, thus expanding the puncture. The rubber plug is then placed on the end of the holder, as shown also in Fig. 3, and is ready for insertion. Cement is then applied around the shank of the plug and the flat surface. The convex portion of the plug is moistened and the plug is forced through the tool until

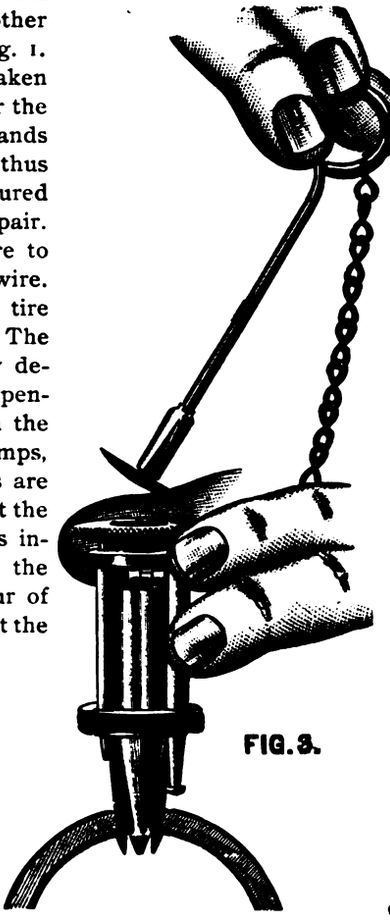


FIG. 3.

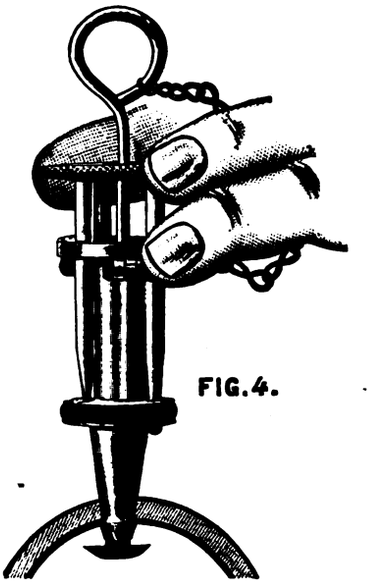


FIG. 4.

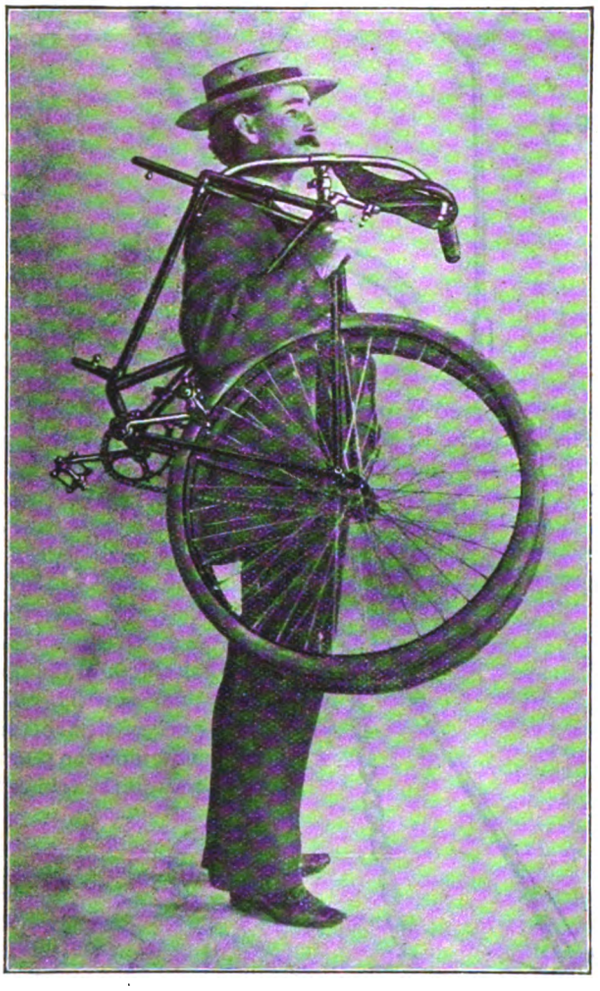
the ring of the holder strikes the top plate; after which pull back the plate, which has been previously forced down, to its former position. The tool is then withdrawn and the plug grasped by the shank, is pulled until the head of the plug rests firmly against the inner wall, where it is held until the cement holds. The tire is then inflated, and the

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projecting shank is cut off nearly level with the outside face of the tire.

The Folding Bicycle.

The Folding Bicycle Co., Bridgeport, Conn., are placing on the market the Folding Bicycle as here illustrated. It is riveted in the centre, and by pressing the two spring bolts which release the locks, the front part of the machine can be swung round against the rear, thereby making it only half its original length. It is stated "that the folding device does not detract from the strength or beauty of the cycle, but on the contrary adds to the strength, by reason of its peculiar method of bracing, and the shorter reaches of tubing; there are no small or loose parts, and any rattle or vibration is impossible. The spring locks are so arranged that the tendency is to tighten when the machine is running, and any such thing as the locks working loose while riding is entirely out of the question. The device



adds but one pound to the weight of the machine, and is folded or unfolded in an instant, and can be done as easily and quickly by a lady as by the most skilled mechanic, and locks automatically when thrown into position.' The company say "that the bicycle illustrated here weighs 25 pounds, has 28-inch wheels and 43-inch wheel base; it has been in constant use for eighteen months, and been subjected to all manner of tests that could be devised by the officers of the cycle corps of five leading European countries, where it has been shown. It has carried a rider weighing 175 pounds on a tour through Holland, Belgium, Germany, France and England—fully 2200 miles, and has been seen and admired by army officers in each of these countries. It has been shown in four different exhibitions, and in explaining it, has been folded and unfolded more than a thousand times; yet the frame is just as rigid as the day it left the factory, and not one cent has been spent for repairs." The Folding Bicycle is recommended by the manufacturers to riders living in flats, apartment houses, rooming and boarding houses, and the occupants of the office buildings of large cities, and clerks in stores, and for city use generally.

The Morgan & Wright Toe Clip.

Morgan & Wright, Chicago, Ill., have placed on the market the Toe Clip herewith illustrated. It is made of rubber in the form of a band which encircles the foot at the pedal.



The usual steel clip passing backward from the toe is no part of the contrivance. It is pointed out that this clip is intended for racing purposes and is of small practical use to the ordinary rider. It is said to be strong and serviceable, light and durable, and is always ready for use without special adjustment, and that it holds the foot firmly to the pedal, prevents side slip, and thus gives the rider power on the upward movement of the foot. The clips retail for 25 cents per pair.

Red Cross Enameling Oven.

Arlington U. Betts & Co., Toledo, Ohio, are offering to the trade the Red Cross Enameling Oven as illustrated here. The company state that the material used in the construction of the oven is strictly first-class in every respect. The base or frame is of the best quality of smooth castings, and the double side walls of steel. The side walls are double, and the space between filled with asbestos, so that very little heat escapes, and when the oven is once hot, it requires but little effort to keep it at an even temperature. The material to be enameled is placed in the oven at the top and the heat regulated from the burner in the base. The temperature is registered on a thermometer made expressly for the oven, and attached to the inner wall of the oven, so as to be easily read through the open parts which are fitted with mica. The fuel used can be either gas, gasoline or kerosene. The ovens are fitted



with either, and the customer furnished with whichever style he may designate. When the burner is not mentioned, however, they always send kerosene, as they have found from experience this is the cheapest, strongest and most reliable of the three styles of heat. With this new patent burner, there is no smell, smoke or dust. The heat

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is steady and easily regulated with a patent screw adjuster. Each oven is provided with a pamphlet, and instructions "How to Bake Enamel." With these ovens and these instructions carefully followed out, a successful baking can be done every sixty minutes. "This is a wonderful saving of time over the old process, which usually required from four to six hours." The company furnish enamel in the following colors: White, black, cream yellow, robin egg blue, rose color, deep blue, orange, primrose, vermilion, light green, cycle blue and drab. Any special color made to order.

United States Trade With Para.

Geo. G. Matthews, United States consul at Para, writes as follows: Merchants and manufacturers of the United States to fully appreciate the importance of Para, without which they cannot hope to reach the highest point of success in the extension of our trade at this port, would, I feel, be benefited by a more intimate knowledge of its resources and industries. I will not minutely sketch the outlines of a city already so well known, but will simply enumerate some of the industries of this part of the world, to show the progress of Para in recent years, indicating a prosperity that will yet make it the most important of South American cities.

When we remember that there are 50,000 miles of navigable rivers upon which to float and extend her trade, and that these flow through one of earth's richest valleys, one can not fail to see that this, at no distant time, will be the most populous of Brazilian cities. Up to the present time, its growth has been the outcome of natural production, and, notwithstanding the limitless resources by which this city is surrounded, which, were they developed, would make this country agriculturally one of the most important in the world, these advantages have been almost totally neglected, for the reason that people have prospered and grown rich with greater certainty, and much more rapidly, at something else than they could hope to at agriculture. If, as is claimed by those best versed in the rubber industry, trees planted from the seed can be tapped in twelve years, and made profitable in twenty years, while the old trees, if judiciously cared for, will live for from sixty to seventy years, it can plainly be seen that this unequalled source of natural wealth can be perpetuated. There is little doubt of its being explored and developed in the near future.

The geographical position of Para is one of the best in the world. The city not only commands the commerce of northern Brazil, but through the tributaries of the Amazon is reaching her arm of enterprise and commerce into Peru and Bolivia, where it secures a large portion of the trade east of the Andes. These points are mentioned with the hope that our business men may fully appreciate the growing importance, and understand the advantages that will accrue to the country and people that secure the trade and first introduce their products here.

In many respects the people are peculiar. For example, when a certain brand of flour has been introduced, it is very difficult to sell any other grade, though of a superior quality. In fact, they are slow to experiment in business, and prefer to continue trading with old customers, unless they get very great advantages to change. So one can see readily that the policy is to be the first when possible, and to secure the markets that are continually opening up in the interior portions of South America, which, once secured and well accommodated, will not be difficult to retain. There never was a time before in the history of the two countries when Brazil was more friendly to American interests, or so willing to extend to her advantages commercially, as now. This feeling, if taken advantage of, must lead to largely increased trade between our country and this.

The only articles of which we have a monopoly in Para are flour, lumber, and kerosene; whereas we should be supplying all the cotton goods, instead of the very small portion that we now send here. The universal cry of men representing American houses at Para is that our manufacturers will not comply with the demands of the market, while English, German and French manufacturers accede to every demand. Goods containing 60 yards may be desired with only 20 or 30 yards, and may be required with a greater or less width, as the case may be. It is claimed by men who represent American houses here that our manufacturers will not make the required changes to accommodate the market, and thus secure the trade, while other countries cheerfully comply with every requirement, and consequently get from Brazil a rich patronage that, with proper attention, with the advantages that we can obtain, would, in a great degree, be enjoyed by our country.

An Extraordinary Litigant.

The case of The People vs. Shanks will probably make a little history—legal history, but still, history. It is pretty difficult to conceive of a man who, without any possible interest himself, will sue a large corporation, go on his own bond in filing an attachment, knowing all the while that he had not a cent in the world, and could not satisfy judgments of many years' standing against him. Yet this is what was developed in the case of The People vs. Shanks. Shanks brought an action last spring against the Magnolia Metal Co. on an assigned claim by discharged employes for $7,000. As the Magnolia Metal Co. was a foreign corporation, some one had to qualify as surety in bringing an attachment suit. As a matter of fact, Shanks acted both as plaintiff and bondsman. More extraordinary still, he did so on the advice of counsel, who knew his financial condition, and, to add to the incongruity of the situation, his counsel stated that Shanks had no pecuniary interest in the assigned claim in question.

Col. Alexander S. Bacon, of No. 34 Wall Street, did the probing; Linus A. Gould and S. Victor Constant, of Constant & Coghill, assumed the responsibilities for the action of his client, Shanks, and Police Judge Kudlich heard the case and couldn't see any particular merit in the plea that he alleged perjury was advised by counsel. Colonel Bacon, the attorney for the Magnolia Metal Co., has for years been attending litigation growing out of suits brought by dummies in the interest of large corporations inimical to the Magnolia Metal Co.

The petty annoyances have grown to be intolerable, and the company is invoking the law and is bringing these irresponsible offenders to justice. It is an open question whether a trust is not forming in the anti-friction metal business, and the fact that the Magnolia people have the standard metal which, for about the same price, gives three times the same service, has undoubtedly excited the cupidity of competitors who wish to take over the company's assets and good will without paying for them.

C. B. Miller, president of the Magnolia Metal Co., stated in an interview yesterday that he had traced discharged employes directly to the offices of the National Lead Co., the Hoyt Metal Co. and others. He also stated that his company had brought suit against the Sterlingworth Railway Supply Co. for $120,000 damages for breach of contract, under circumstances which bear out the theory of an attempted combination in bearing metal.

One of the leading stockholders in the Sterlingworth Railway Supply Co. is said to be a prominent official in the Standard Oil Pipe Line.

In spite of considerable persecution, the Magnolia Metal Co. has thrived to such an extent that its very metal is now in use in most of the navies and railroads of the world, as well as in all classes of mechanical industry.

However, the adoption of such methods as are disclosed in the Shanks case and the countenance of them by the members of the Bar is a serious menace to all honestly conducted enterprises.—*New York Commercial Advertiser.*

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The Niagara Spray Ejector.

S. J. Putnam, Prince Bay, N. Y., has brought out the Niagara Spray Ejector for flushing slab urinals, as here il-



FIG. 1.

lustrated. The maker says that this modern sanitary invention not only economizes in the use of water, but also overcomes the annoyance from clogging so often experienced with perforated pipe. The ejector shown in Fig. 1 may be secured into the front side of the supply pipe, which passes across the stall. The force of water on the internal spherical head of the screw cap at the slot throws a fan-shaped spray obliquely against the slab, flushing the

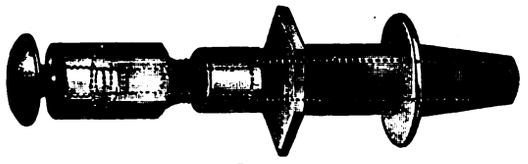


FIG. 2.

entire surface in an efficient manner. It is pointed out that as the outlet is equal to only two holes in a perforated pipe, a large saving of water is evident, and owing to its peculiar construction there is but little chance for clogging. If the spray should become clogged by rust or dirt it can be instantly cleared without disturbing the couplings. As the screw cap is provided with a stop, no part can be lost or destroyed. The special coupling shown in Fig. 2 is

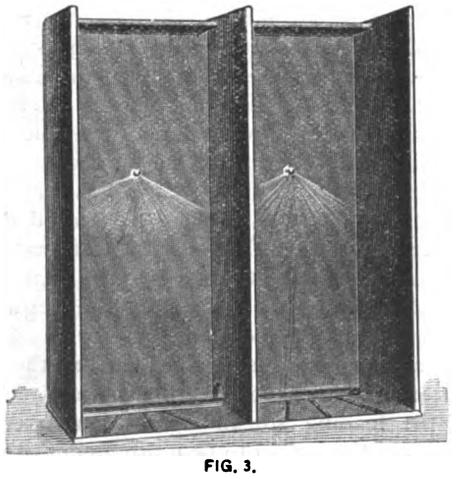


FIG. 3.

used for high class work where the supply pipe is behind the slab. It passes directly through the slab and is clamped firmly to the same by the nut which is provided with left-hand thread. Fig. 3 shows two stalls with fixtures complete and water turned on.

Steel End Hose.

This is the name given to a new brand of hose, designed especially for garden and hydrant use, which the New Jersey Car Spring & Rubber Co., of Jersey City, N. J., have added to their already very complete line of hose. It is of the same high grade of manufacture characteristic of all the products of this company, but differs radically from their regular brands of hose, in the ends, which are fashioned in the manner shown in the engraving. "It is the common experience of all who have occasion to use hose,



especially the smaller sizes, to find that in a short time it becomes broken at the ends because of the short and frequent bending it receives just where the couplings are attached. The result of this breaking of the hose is an annoying and wasteful escape of water at these points, which not only diminishes the pressure of the water at the nozzle, but generally succeeds in wetting the user of the hose from head to foot. There is no possibility of this occurring with the Steel End Hose. Between the plies of duck at the ends of each section is inserted a steel spiral, which not only adds materially to the strength of the hose, but effectually prevents it from bending at these points, insuring longer life and greater cleanliness and comfort in its use. The plan is so plainly an improvement and so full of everyday common sense that it cannot fail to commend itself to the trade generally." Prices and samples, we are informed, may be obtained from the manufacturers upon application.

"Common Sense" Self-Tilting Kettle.

R. B. Vanderburg & Co., No. 21 Wabash Avenue, Chicago, are sole agents for the new Common Sense Self-Tilting Kettle, illustrations of which are here shown. The kettle has several special features, covered by patent, which will be set forth more distinctly with the aid of the accompanying cuts. It has double bails to be operated with one hand instead of having a single bail. One of the bails is shorter than the other, the two being linked together at the centre. In carrying, the kettle is kept perfectly level, being prevented from tipping by the link connecting the bails which acts as a stay. The bails are hung to ears having double lugs, the rear lug being a little back of the

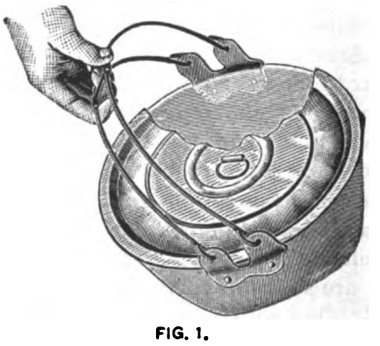


FIG. 1.

centre of the kettle and the forward lug about an inch nearer the lip. The object of this arrangement is to secure the leverage for tipping as shown in Fig. 1, which illustrates the position of the bails when pouring or draining off the contents. The rear lug comes straight up from the kettle, while the front lug is made with a groove directly above the rim of the kettle as shown also in Fig. 1, in which the cover is partly broken away for this purpose. The groove curves with the kettle, thus making the forward ends of the groove on each side closer together than the rear. By this arrangement the cover slips in from the back and when the kettle is tipped the cover is prevented from

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falling either down or forward. For draining vegetables the four fingers hold the shorter bail and the thumb presses forward the long bail, causing the kettle to tip easily. The steam arising from the kettle escapes from the small opening at the top between the lid and the kettle. The bails



FIG. 2.

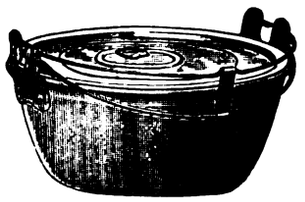
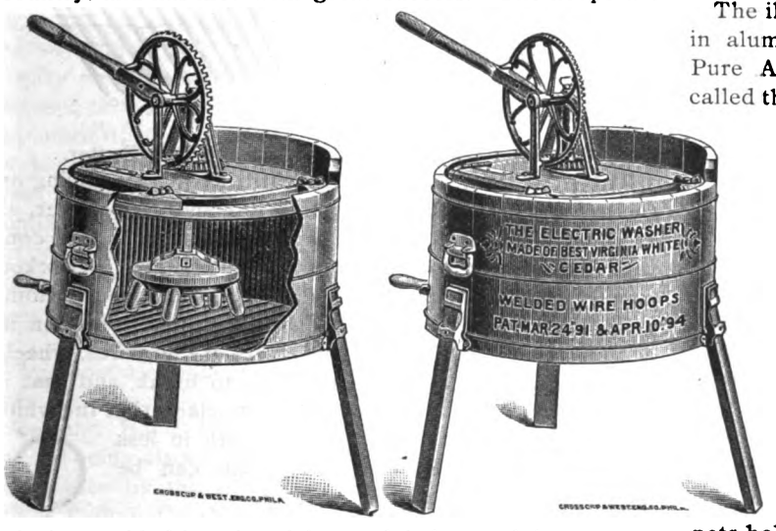


FIG. 3.

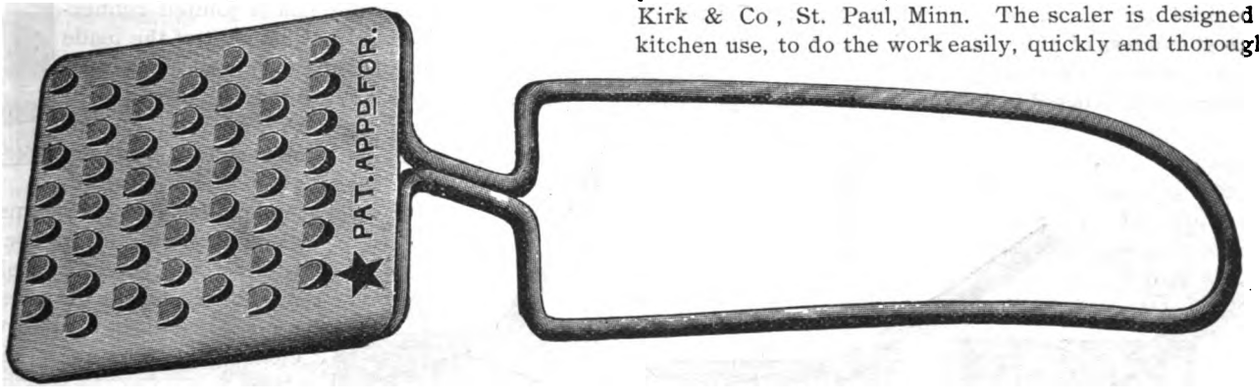
may be crossed as in Fig. 2, so that when the kettle is used over a gasoline or gas flame the bails are above the flame and are thus kept cool. An important point claimed is that in no operation is it necessary to use a protection for the hand against heat or steam. The bails fall to the outside, thus allowing the kettles to be easily nested, as shown in Fig. 3, or making them convenient for store or pantry shelves. Eight sizes are made, ranging from two to ten quarts. They are furnished in gray enameled ware only.

The Electric Washer.

This machine, made by the Richmond Cedar Works, Richmond, Va., has attracted great attention all over the country, and has met with great success. The hoops are



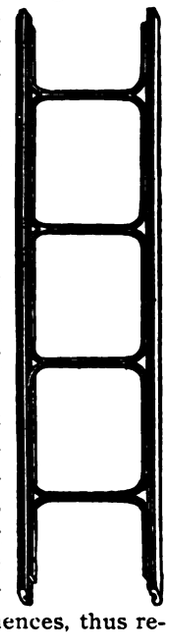
of wire, welded by electricity, and being sunk in grooves, makes it impossible for them to come off. All metal parts of the machine are heavily galvanized, and the castings are designed for great strength. The manufacturers call attention to the square galvanized iron rod which works



the agitator, which is spoken of as "a great improvement over the wooden post, which tears the clothes."

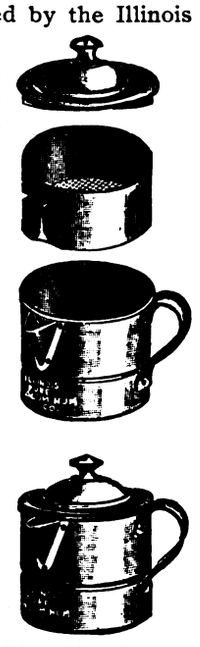
"Indiana" Ladders.

The Indiana Ladder Co., Indiana, Pa., have been in business since 1892, and have learned a good many things about the construction of Ladders. The products of this company are to be found in nearly every State in the Union; visitors to the Atlanta Fair can see the display of Ladders made by the company in the Transportation Building. We illustrate herewith one of the patent Bent Rung Ladders put on the market by this company. It is made of strong light wood, the edges being slightly rounded as a convenience in handling. The centre of the side has a groove 3-16 of an inch deep, and the width of the rungs, in which the rungs when bent, fit neatly. They are nailed with wrought iron annealed nails, the nails going through the side and clinching. It is pointed out that the rungs being made of the toughest hickory, and laying along in the groove in the side, makes it stiff and increases its strength. Each rung acts as a brace between itself and the side, which makes the ladder strong. It is further stated that the rungs never get loose, nor do the side pieces split from wedging the rungs, that by the method of making the rungs in these ladders strength is gained also from the fact that the breaking points do not extend the whole width of the ladder, as is the case with those of ordinary make, but only from where the bend commences, thus reducing the liability of breakage of rungs. They will be pleased to send illustrated catalogue on the asking.



Anti-Tannic Tea Infuser.

The illustrations herewith presented show a new article in aluminum which has been introduced by the Illinois Pure Aluminum Co., Lemont, Ill. It is called the Anti Tannic Tea Infuser. Aluminum is eminently fitted for cooking utensils of all kinds, owing to its lightness, strength and the ease with which it is kept clean. The company say that tea leaves stewing at the bottom or hottest part of the steeper rapidly develop tannic acid, which is highly injurious and very disagreeable. They explain that these disagreeable features are done away with in their new Tea Infuser by having the steeper near the top of the pot. These pots hold a quart.



The Macklett Star Fish Scaler.

The accompanying illustration represents a Fish Scaler, full size, which is put on the market by Farwell, Ozmun, Kirk & Co, St. Paul, Minn. The scaler is designed for kitchen use, to do the work easily, quickly and thoroughly. It is remarked that the device is cheap, that it will last a lifetime, and that it is easy to keep clean. The goods are packed one dozen in a paper box, twelve boxes in a case.

A New Ratchet Drill.

The Anderson Machine Works, Peekskill, N. Y., are offering the Ratchet Drill here shown, in which the novel

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idea of feeding the drill itself outward and keeping the machine in its original position as the drilling proceeds, is adopted. The construction of the tool will be readily understood by an inspection of the sectional view, Fig. 2, in which it is seen that the drill is forged from a square bar and passes through a square hole in the stock by which it is driven, while the externally threaded piece above, into which the tapered end of the drill fits loosely, feeds it downwards, when the sleeve into which it is threaded is prevented from rotating with the drill. By this construction very little room more than the length of the drill itself is required, and it can be used in very restricted places. Great steadiness of the drill is also secured, and all the working parts are thoroughly protected from dirt and chips, yet are readily accessible by unscrewing the cap. When this is removed the whole tool can be taken to pieces. The manufacturers state that the drills require no special fitting, as the socket takes ordinary sizes of bar steel, and the end of the drill fits loosely in the nut. A long or short threaded sleeve can be used and the change be made from one to the other in a few seconds. The handle is of steel pipe and is fitted into the stock so as to retain its full strength. The feed rod screws into the end of the handle when not in use.

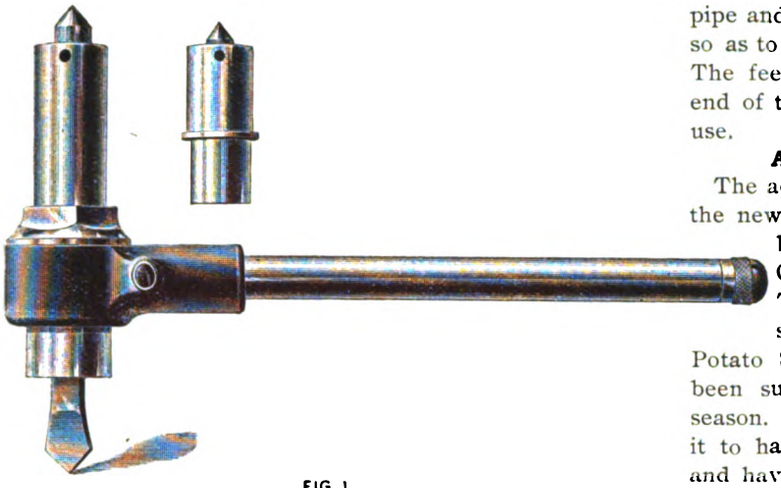
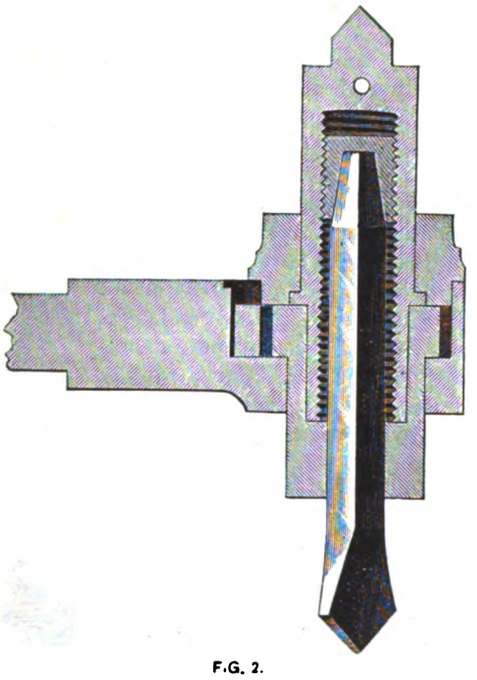
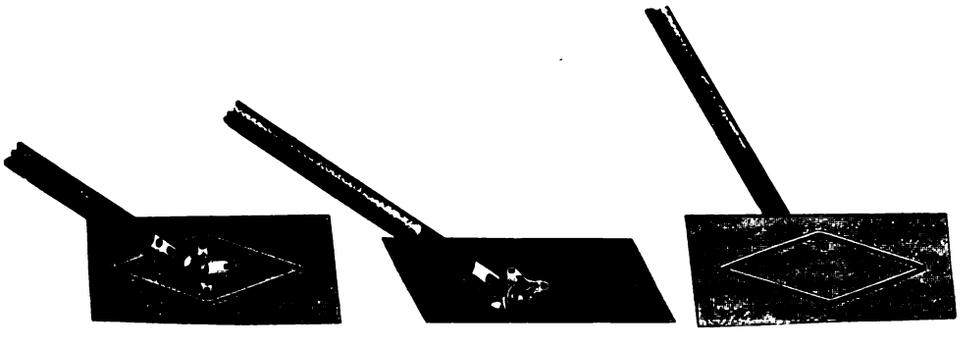


FIG. 1.

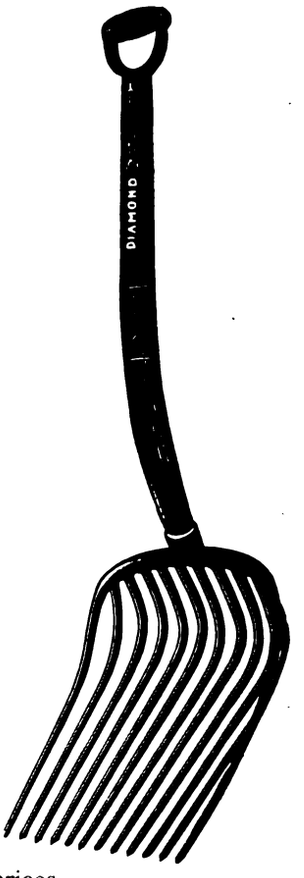


F.G. 2.



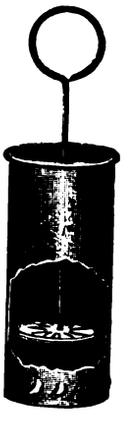
A New Coal Fork.

The accompanying cut shows the new Coal Scoop Fork made by the Ashtabula Tool Co., Ashtabula, Ohio. This fork is similar in shape to their celebrated Potato Scoop Fork which has been such a success the past season. Its scoop fork causes it to hang better, work easier and have a larger capacity than the old pattern, and is described as "unequalled for handling either hard or soft coal, lump or nut size, and those giving it a trial will use no others. These forks are of the very best quality and are fully guaranteed." This company also make a complete line of large forks for all purposes, such as forks for handling coke, cinders, tan-bark, etc. Anyone handling these goods will find it to their advantage to write them for catalogue and prices.



Champion Surprise Cream Whip and Egg Beater.

The John Tobin Mfg. Co., Newark, N. J., are placing on the market a combined Cream Whip and Egg Beater, as seen here. In use the cylinder is placed in a bowl containing the eggs or cream, and the plunger is worked rapidly up and down. The cylinder has an open bottom, and the beater is referred to as being double suction in action. The point is made that there are no wires, wheels or cogs to get out of order, no glass to break, and that it is easily cleaned. The manufacturers claim that the white of eggs can be beaten to a stiff froth in less than thirty seconds, and that cream can be whipped in less than three minutes.



Diamond Steel Scraper.

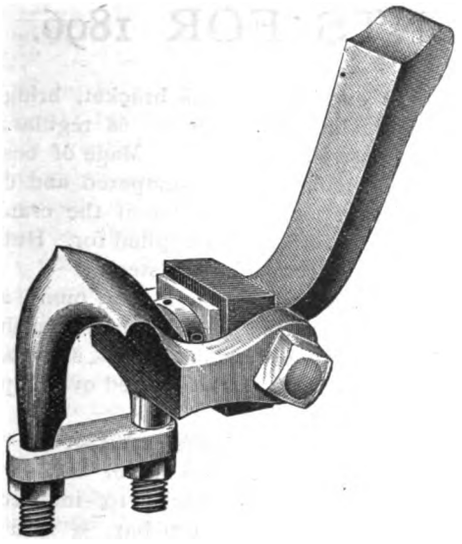
A. M. Ross & Co., Ilion, N. Y., are introducing the Diamond Scraper as here shown. The blade is 6x18 inches in size, struck up and corrugated to give strength from the centre to the ends. The handle has a jointed connection to allow of a quick adjustment of the blade in a desired position, to push, pull or scrape. At the same adjustment it may be turned over to use on the other side at a different angle. The tool is designed for use in barns, for cleaning snow and refuse from walks, roads, street and electric roads, etc., and is also designed for use as a hoe or shovel for cleaning, grading and other purposes.

Boss Shaft Coupling.

The Boss Lock Nut & Coupling Co., No. 20 Vesey Street, New York, are putting on the market the Shaft Coupling here illustrated. Not the least desirable feature of a shaft-coupling for carriages and

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other vehicles is that it shall be noiseless, and a leading object of the inventor of this coupling, we are informed, has



been to secure absolutely "no rattle." While the engraving has not been designed with a view to making the rubber cushion prominent, readers doubtless will be able to recognize it in the square block in the centre of the device, which has been shaded a little in the drawing. The design of the inventor is that this rubber shall fit so closely as to prevent any rattling from the working of the metal parts. In addition to this desirable achievement, he has kept in mind the need of providing for the time when the rubber shall have become worn, and an arrangement of metal washers is included, whereby there may be an easy and quick adjustment to take up the loss, until the cushion has been entirely worn away. Good service is promised from the rubber from one to two years.

Colt's Bit Brace and Hand Drill.

The illustrations here given represent a Bit Brace and Hand Drill which is being placed on the market by the Alford & Berkele Co., No. 77 Chambers Street, New York, as sole agents. When used as a drill, Fig. 1, the chain and clamp shown in Fig. 2 are placed in position on the brace, the chain passed around the metal and locked by dropping it into a slot in the clamp. The threaded sleeve upon which the attachment works, and the hand wheel are of one piece, so that feeding the drill is accomplished by turning the wheel as the work proceeds. The sleeve at the lower end works upon ball-bearings. The brace has a ratchet attachment, and is particularly useful in overhead drilling. The tool is also designed for all kinds of regular work, and, it is stated, will drill iron or steel as easily as wood can be bored. When the braces are not required for drilling, the clamp can be

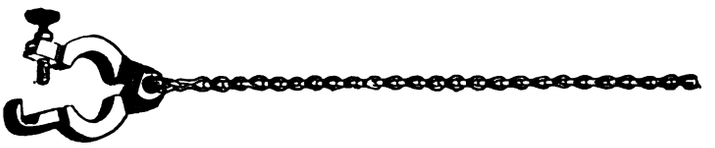


FIG. 2.

quickly detached and the brace used for boring wood as in Fig. 3.

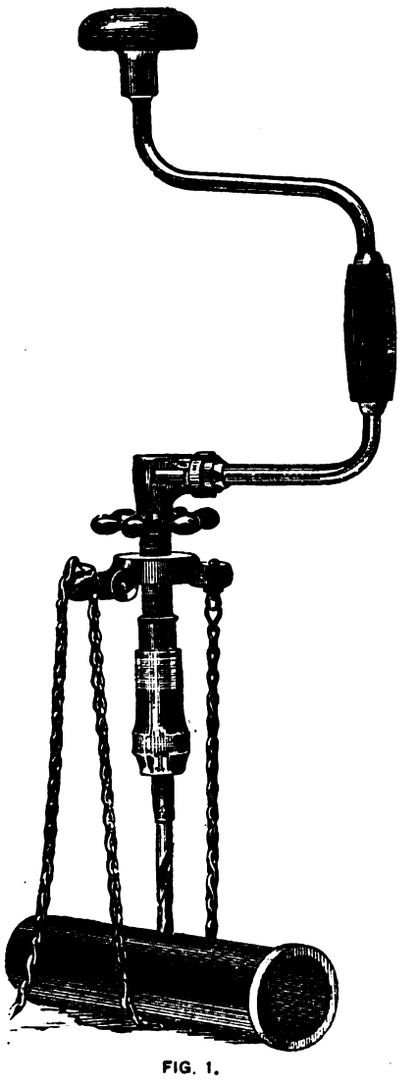


FIG. 1.

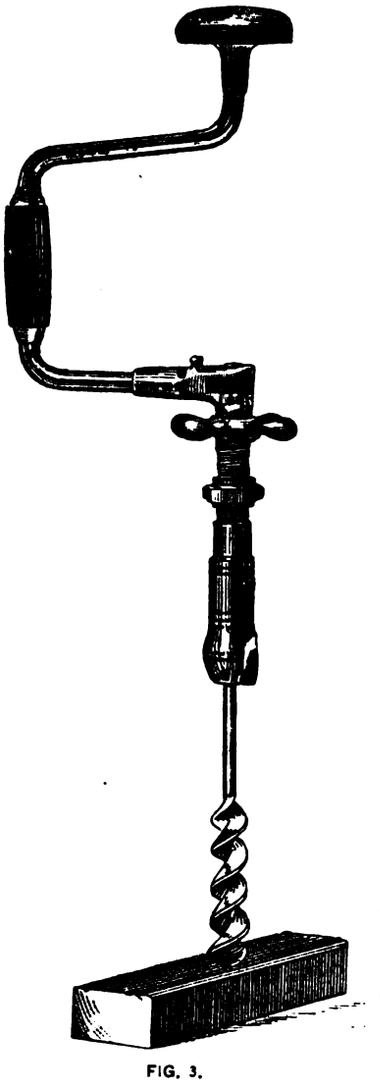


FIG. 3.

Big Bicycle Combination.

The Wheeler & Wilson Co. have just consummated a deal whereby they will handle the immense output of the Liberty Cycle Co. throughout the entire West and South. Bicycle agents are now being appointed and agencies established in every city and large town in those sections. The number of such agencies, it is said, will hardly fall short of 2500. The Chicago house will carry the Western territory, the St. Louis house the Southwestern, and the Atlanta house the Southeastern. An immense stock of bicycles will be carried at these points in order that the many agencies may be quickly and amply replenished. Over 20,000 Liberty bicycles of the '96 pattern are now in process of manufacture, and by this arrangement they will be as well represented as any wheel on the market. Taking the pronounced success which has attended the establishment of its numerous sewing machine agencies as a criterion, the new venture bids fair to be remunerative to both the Wheeler & Wilson Co. and the Liberty concern. The Wheeler & Wilson Co. will not interfere with the Liberty Co.'s agents or agencies in the New England and Middle States, which will remain under the supervision of J. S. Bretz, the general superintendent of agencies. Mr. Bretz's office is in New York, and he has six men on the road in the East.

The Ochsner Hardware Co., of Brule County, South Dakota, have decided to embark in irrigation, and preparations for putting down an artesian well are being made. The company own three-quarter sections of land, and all of it will be cultivated and irrigated. A three-acre reservoir will be constructed.

The Weedsport Specialty Co., Weedsport, N. Y., has been incorporated by Alfred Short, Wm. R. Castle and I. D. Brown; to manufacture caskets and novelties. Capital stock, $2000.

The Hotel Savoy, New York City, can boast of the largest French plate-glass mirror in the world. One containing about 174 square feet of glass has recently been set up in the dining room.

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BICYCLE ANNOUNCEMENTS FOR 1896.

CRIBB CARRIAGE CO.

The Cribb Carriage Co., No. 329–333 Broadway, Milwaukee, Wis., make the following announcement concerning their bicycle line for 1896:

We take pleasure in announcing that our '96 models, the ladies' and gents' Wisconsin, will be ready for shipment within the next thirty days. We give a partial description of the wheel, and a few of the new features.

We will use 1⅛-inch Mannesman's English Weldless Tubing with ⅞-inch tubing on the rear forks. We will have two heights of frames in the gents' models, 25 and 6 inches, and the scale weight will be 22¼ pounds. We will use the best grade of piano wire swaged spokes and barrel hubs on both front and rear wheel, with spokes attached to the flange instead of penetrating the hub. We use the Plymouth Wood Rim and the new quick-repair Morgan & Wright tire, unless others are specified. Barrel crank hanger with two oil cups, detachable sprockets, front and rear, with ½-inch block chain milled, so as to insure a perfect fit without friction.

We will have an adjustable handle-bar that can be arranged while riding; and adjustable rat trap or rubber pedal. We will also have the special tool bag that is fitted to the frame directly under the saddle, and the tools can be taken out without unstrapping it. The tools, including the wrench, oil can, repair kit, screwdriver and pump will be of the best grade and the latest patterns. T. C. seat posts and Garford saddle. We also have a special fork this year, that will make the wheel very attractive and add to its strength.

We use the best grade of finish throughout with the bright parts nickeled over copper. We also have a special feature this year in the cones and cups. These have a special gun finish, and are manufactured from the very best material obtainable. It is time for agents to secure exclusive territory on the wheel, as we are receiving a great many applications and shall be pleased to hear from the trade as early as possible. We will be glad to send sample wheels for inspection where dealers are in the market for quantities.

WHITE SEWING MACHINE CO.

The White Sewing Machine Co., Cleveland, Ohio, make their bicycle announcements for 1896 as follows:

Specifications. "White" 1896 Model "A."

Frame. High diamond pattern. 1¼ inch, cold-drawn seamless steel tubing, 1⅛ inch top bar. Height 24 or 26 inches, ⅞ inch tubing in rear forks; ¾ inch tubing in rear upright forks. Frame parts. All steel drop forgings, strongly reinforced at connections. Forks. Seamless steel fork sides, gracefully curved, and mechanically reinforced. Double fork crown. Steering head. 9 inches long, 1¼ inches diameter. Handle bar. Cold-drawn weldless steel, tube ⅞ inch in diameter, adjustable to four positions. Our own invention. Handles. Cork or corkaline, white celluloid tips.

Wheels. 28 inches, front and rear. Wheel base. 43 inches. Rims. Built upon wood, made especially to our order. Tires. Choice of Palmer or Vim, single tube. Spokes. Swaged piano wire, 28 in front, 36 in rear. Swaged .080 to .060. Pedals. Grothe, rat-trap or rubber. Dust-proof centers and bearings. Cranks. Special steel, round and tapered, with throw 6½ inches long. Chain. 1¼ inch solid link with hardened rivet and steel centers,

Saddles. Black, very handsome in appearance and especially manufactured to order. Saddle post. Adjustable. Style "T" or direct seat post. Tread. 5 inches. Sprocket wheels. Both detachable, steel drop forgings, hardened. Front sprocket overhangs crank bracket, bringing chain directly over the ball race. Gear. 68 regular; 64 or 72 furnished if so desired. Bearings. Made of best selected high-grade tool steel, carefully tempered and dust-proof. We show a far superior construction of the crank bearing than ever before used. Patent applied for. Hubs. Large tubular hubs, made from solid bar steel.

Furnishings. Tool bag, wrench, oiler, pump and repair kit. Saddle and tool bag in black leather. Finish. Handle bar, hubs, sprocket wheels, cranks, pedals, seat post, spokes, screws, nuts and washers, nickel plated over copper. Remainder is enamel.

Weight, 22 pounds with fittings, price $100.

Specifications. "White" 1896 model "B."

Frame. Double bar drop pattern, 1¼ inch cold drawn seamless steel tubing, 1⅛ inch top bar, ⅞ inch tubing in rear forks and ¾ inch tubing in rear uprights. Height 22 inches. Frame parts. All steel drop forgings, strongly reinforced at connections. Forks. Seamless steel forksides, gracefully curved and mechanically re-inforced. Double fork crown. Steering head. 9 inches long, 1¼ inches diameter. Handle bar. Cold drawn weldless steel tube, ⅞ inch in diameter, adjustable to four positions. Our own invention. Brake will be furnished with stationary bar when specially ordered. Handles. Cork or corkaline, white composition tips.

Wheels. 28 inches, front and rear. Wheel base. 43 inches. Rims. Kundtz, triple re-inforced wood rims. Tires. Choice of leading tires. Spokes. Swaged piano wire, 28 in front, 36 in rear, swaged .080 to .060. Pedals. Grothe or Brandenburg, rat-trap or rubber. Dust-proof centers and bearings. Cranks. Special steel, round and tapered, with throw 6 inches long. Chain. ½ inch solid link with hardened rivet and steel centers.

Saddles. Sager saddle in black leather. Saddle post. Style "L" or direct seat post. Tread. 5 inches. Sprocket wheels. Both detachable, steel drop forgings. Front sprocket overhangs crank bracket, bringing chain directly over the ball race. Gear. 60 regular, and higher gear furnished if desired. Bearings. Made of best selected high-grade tool steel, carefully tempered and dust proof. We show a far superior construction of the crank bearing than ever before used. Patent applied for. Hubs. Large tubular hubs, made from solid bar steel.

Furnishings. Tool bag, wrench, oiler, pump and repair kit. Saddle and tool bag in black leather. Finish. Handle bar, hubs, sprocket wheels, cranks, pedals, seat post, spokes, screws, nuts and washers, nickel plated over copper. Fork crown in white enamel with gold edge, Remainder in black enamel.

Weight, 23 pounds with fittings, price $100.

RICHMOND BICYCLE CO.

The Richmond Bicycle Co., Richmond, Ind., give the following specifications of their Richmond Road Wheel for 1896:

Weight, 23 to 25 pounds, price $100.

Frame. 24 inch diamond frame, finest quality 1⅛ inch seamless steel tubing, forged steel connections. 23, 25, 26, 27 inch frame when specified.

Wheel. 28 inch. Spokes. Cold swaged steel, nickeled. Tires. Morgan & Wright, or New York single tube, Palmer, G. & J., Webb, Dunlop, and other detachable tires. Rims. Wood, finest natural finish. Chain. ½ inch steel, Humber pattern, hardened rivets. Dust-proof, rat-trap or rubber. Crank. Round pattern, special steel, 6½ inch throw. Handle bar. Assorted shapes.

Saddle. Best quality. Hubs. Barrel. Handles. Cork,

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Gear. 66½ or 68 regular. Other gears to order. Sprockets. Detachable front and rear. Tread. 5 inch. Finish. Finest black enamel. Tool bag, with air pump, oiler, wrench, and repair outfit.

W. H. WILHELM.

W. H. Wilhelm, Hamburg, Pa., in making announcement of his "Special" bicycles for 1896, says: "The wheel described in this circular is put on the market for that class of jobbers, wholesalers and dealers, who must have a wheel thoroughly reliable and up to date, both in design and finish. A wheel on which they can place their own name plate. This feature enables our customers to place the wheel in the market as a special, giving them an opportunity to meet the close competition brought about by numbers of beginners entering into this line of business, and carrying on the manufacture of bicycles without knowing the cost of production, or basing their cost on their retail price of the wheel, forgetting that to sell in large quantities necessitates the quotation of very close figures, as well as the manufacture at a short margin." In his brief he says:

'96 Special Gents' Wheel: Wheels, 28 inch front and rear, 36 spokes each wheel. Hubs, turned from bar. Spokes, swaged piano wire. Rims, one piece wood. Tires, M. & W. Bearings, cones and cups turned from best steel, tempered. Balls, Simonds, perfectly true. Frame, best seamless steel tube, 1⅜ inch head, 1⅛ inch bottom, 1 inch top and 1 inch cross tube, bottom braces ¾ inch, back braces, height of frame 23 inches, head 9 inches. Sprocket, machine turned and milled. Rear sprocket, detachable, screwed on hub and held in place by a nut screwed on reverse way. Crank axle bearings, improved dust-proof. Pedals, best dust-proof rat-trap. Crank, best forged steel, very light, 6¼ inch throw. Handle bar, best seamless steel tube, properly curved. Chain adjustment, eye bolt with adjusting nut. Saddle, Sager. Chain, ½ inch, hardened. Gear, 63 or 64 inches. Finish, sprockets, fork crown and usual bright parts nickeled on copper, balance black baked enamel. Weight, 23 pounds. We use best forgings and sheet metal fittings, all being thoroughly brazed together.

'96 Special Ladies' Wheel: Wheels, 28 inch front and rear, 36 spokes each wheel. Hubs, very light, turned from bar steel. Spokes, swaged piano wire. Rims, one piece wood. Tires, M. & W. only. Bearings, made with great care, turned from bar steel and tempered. Balls, best make Simonds. Frame, double parallel tube, best light guage, seamless steel. Sprocket, best steel, machined. Chain, ½ inch, hardened. Gear, 60 inches. Rear sprocket, hardened steel, detachable, screwed on hub and held in place by a nut screwed on reverse way. Crank axle bearings, improved dust-proof. Pedals, best dust-proof rat-trap or rubber. Cranks, 6½ inch throw, very light, best forgings. Handle bar, bent just right, adjustable for height, upturned. Saddle, Sager. Weight, 26 pounds. Finish, enamel and nickel. Chain adjustment, eye bolt with adjusting nut. Grips, cork or cork and rubber. Suitable chain and dress guards fitted to this model. Price on application. Name plates not furnished. These machines are designed especially for jobbers and dealers who wish to use a plate of their own.

The White Gate Co., consisting of Messrs. Glossblenner, Bell and White, have decided to locate their large plant in Franklin, Ind. Office room has been secured and the factory will be built as soon as a suitable location can be secured. The company will manufacture farm gates, and the factory will give employment to a number of workmen.

Notice has just come from the judges of the Mechanics' Charitable Association of Boston, announcing the award made the Bissell Carpet Sweeper Co. of a special diploma confirming the silver medal award made in 1892 for continued excellence. This is the highest award granted on carpet sweepers.

Hardware Dinner of 1896.

As was previously announced, it has been decided that the Hardware Dinner of 1896 should be given early in the year named, and a committee having the entire matter in hand has been appointed by Peter McCartee, president of the New York Hardware Club, as follows:

Alfred D. Clinch, chairman.
Eugene Bissell.
Brace Hayden.
James H. Kennedy.
George H. Sargent.
Edward C. Van Glahn.
John L. Varick.
Richard R. Williams.

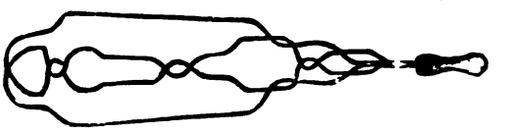
The date upon which it is to be given is Thursday evening, February 20th, at the Hotel Savoy. Sub-committees on speakers, etc., have been appointed, and arrangements are already under way to make it a success in every respect.

Hartley & Graham Enlarging.

Hartley & Graham, of New York, owners of the Gun Implement Co., which has occupied the Ornamental Wood Co.'s factory on Elm Street, Bridgeport, Conn., for the past eight years, have purchased that property from Charles W. Spooner, Lily T. Spooner and Harry C. Spooner. The property has a frontage of 215 feet on Elm Street, 90 feet on Harrison Street and about 29 feet on Fairfield Avenue. The owners will erect immediately a large addition at Elm and Harrison Streets, which, with other improvements, will give them a model establishment. They do not intend for the present at least to manufacture bicycles at the works of the Implement Co., but the regular business in gun implements, Forstner bits, and bicycle sundries, has grown to such proportions that they have found it advisable to have permanent and increased facilities.

The Champion Beater.

The Champion Beater Co., No. 2 Stanton Street, New York, have recently introduced a novelty in their Champion Beater, illustration of which is here given. It will no doubt prove a great boon to housekeepers. It is designed for the purpose of cleaning clothes, carpets, rugs, furniture, furs, velvets, plushes and draperies, and it is claimed will not in-



jure the most delicate fabric. It is constructed of wire with a wooden handle and should be used as a switch. The spring being in the handle causes it to rebound the article beaten, allowing the dust to escape. It is described as being light, neat and attractive and never needs cleaning, also that it will not rust. Price No. 1, for light work, 25 cents. No. 2, for heavy work, 50 cents.

The Gillette Success in England.

The Gillette Clipping Machine, manufactured by the Gillette Clipping Machine Co., New York, has met with a phenomenal success in England, under the management of M. G. Gillette, with headquarters at No. 46 Gray's Inn Road, W. C., London. It has already been adopted in the royal stables at Windsor Castle, the royal mews at Buckingham Palace, and those of many of the most prominent huntsmen and breeders in England, and it is needless to call attention to the fact that there must be real merit in an invention that has so rapidly acquired such great popularity in conservative England. The high merits of the machine were long since recognized in this country.

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ADVERTISING A RETAIL STOCK---I.

This department is conducted by an experienced advertising man. It will be devoted to questions of profitable publicity as especially related to the retail Hardwareman

We desire to make it of practical benefit to the readers of "HARDWARE," and to that end invite you to ask any questions on advertising, make any suggestions, or send in your ads. for criticism. We will do our best to make the path of advertising easy for you.

December is the business man's thinking time. He then reviews his own successes and failures for the year that is past, and plans for the year that is to come. He notes the successes of others, and seeks the causes, that he may profit by their experience. He gleans from the whole broad field of business, that he may gather suggestions for his own particular branch.

There never was a time when it was not necessary for the business man to tell others what he has and what he is doing. Many and costly experiments have proven that newspaper advertising is the surest, quickest, cheapest, and therefore best, means of doing this.

Mr. Hardwareman, this applies to you. What has helped others to succeed will help you. There never was a business man started that advertising would not help. Your opportunities are just as many as anyone's, and a good many more than some people's. Your goods are staple. People need your stock. But their need of the things in which you deal, is no sure sign that they will buy them from *you*.

You don't believe in advertising? You try to arrange your window display in a tasty and attractive manner, don't you? Why? To catch the eye of the passer-by. That's a sort of advertising, good as far as it goes, but not one-quarter of the people whose trade you want ever go by your store. They do read the newspapers. Those who don't, are not the sort of customers you care for. "An advertisement is a thing that represents a business man's goods and business at a place where the man and his goods are not." That's what you need. Something that will tell John Smith, on the other side of town, that you have just the hammer, or saw, or stove, in your store that he wants, at just about the price that he is willing to pay for it; that will *convince* the Widow Jones, who lives just out of town, that your new supply of window fasteners is cheap and burglar-proof. The newspaper goes everywhere; it can carry your business everywhere.

An advertisement in your home paper will do more than this. It will create a demand for what you advertise. This is not theory, it is proven fact. If, after the first fall of snow, you announce a sale of snow shovels at a moderate price, a good many people will conclude that they had better have one, who thought before that the old coal shovel would do.

In nine cases out of ten you find your bitterest and most persistent competitors in the department stores. Their ads. occupy the largest and most prominent place in the local papers. You cannot afford to use such space—your business does not justify it—and so you don't use *any*. That's wrong. A smaller ad. will be seen and read or caught at a glance in its entirety, if it is well written, carefully set up and changed often enough. For proof, ask your wife if she reads small ads., and see the success of the patent medicine advertising. What at first seems a disadvantage is really an opportunity. Your ad. may be small in comparison, but it is all about one thing—Hardware. All its force is focused on that—and strength will carry conviction.

"Advertising costs too much." Advertising is not an expense, it is an investment—an investment that pays big dividends if rightly and carefully done. Buy your space in the papers that go to the people whose trade you want. Then put as much care on what goes into that space, as you do on buying your stock. Don't expect an ad. to clean out your store in a day or in two days. Be fair; give it a chance; very few investments pay at first.

Hardware advertising is an all-the-year-round subject. There is something in your stock for every change in the season. Just now the thoughts of most people are centered on Christmas and Christmas gifts. Take advantage of this, and announce the skates, knives, razors, sleds, chafing dishes, cutlery, etc., you have on hand. It will help the present and serve as a foundation of popularity and success for the future.

Here are a few suggestions:—they are yours, if you care to use them:

MAKE MOTHER HAPPY

this Xmas and give her one of our neat chafing dishes. 'Tis the secret of easy supper-getting. Happiness for $1.00.

EVERY WOMAN LOVES

a secret. The secret of easy supper-getting is a chafing dish. Get mother one for Xmas. $1 up.

IT'S A POOR SORT OF A BOY

that would not be pleased with a pair of our $1.00 skates this Xmas. All clamp and made of the best steel. Others for a little more.

SHARP SAYINGS

are always appreciated—so's a sharp razor. Wouldn't father like one this Xmas? All prices. Sure cure for profanity.

JOHN JONES,
MAIN STREET.

Our prices on these necessities you will find to be low—the lowest in town for the quality offered.

CHRISTMAS CUTLERY

should be in keeping with the rest of the table appointments. Look over our stock—then buy somewhere else if you want to.

ARTHUR B. CHIVERS.

Charles Disston, brother and business partner of the late Henry Disston, founder of the extensive Disston Saw Works, died at his home in Philadelphia on Saturday, November 30th, at the age of seventy-two. He came to this country from Nottingham, England, in 1849, and became associated with his brother in the saw works. He retired from active business about three years ago.

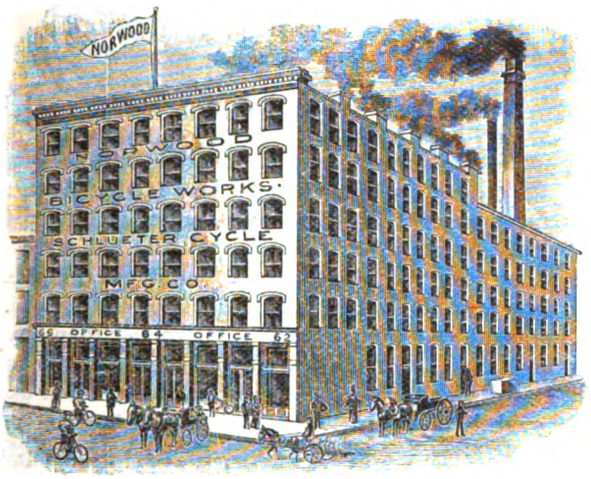
The American Wire Nail Works, Anderson, Ind., have closed down indefinitely, owing to the scarcity of steel billets; 650 employees are thrown out of work.

The St. Clair Stove Co., Kansas City, Kan., has been incorporated, with a capital stock of $8000.

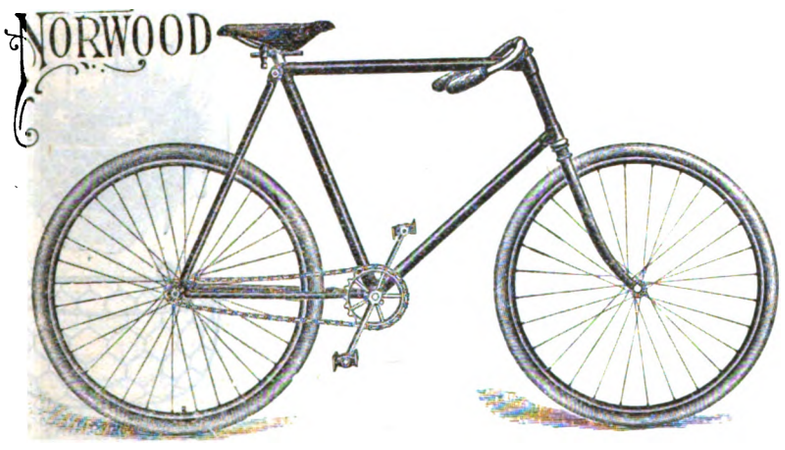
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Schlueter Cycle Mfg. Co.

The Schlueter Cycle Mfg. Co., Cincinnati, O., manufacturers of the "Norwood" bicycle, have made preparations to largely increase their 1896 output. The company are not new to the business of manufacturing, having had several years experience in this line. F. H. Schlueter, from whom the company takes its name, previous to his venture in the bicycle business, was engaged in the sewing machine business. The knowledge acquired in this manner he has been able to turn to good account in the manufacture of cycles, the two trades being so similar. The company's factory, which is herewith shown, came from small beginnings, but is now one of the foremost, having a capacity of over 7000



wheels per year. The company are prepared to make prompt deliveries throughout the whole season. The illustration accompanying shows the "Norwood," the wheel turned out by the company. They explain that the special features worthy of mention are strength, durability, advanced mechanical features, workmanship, finish and appearance. They also guarantee to keep their wheels in repair for one year. The following are the specifications of the "Norwood": Frame, diamond, finest quality seamless steel tubing and steel connections; 1⅛ inch tubing in main frame; head, 1¼ inch tubing; bottom tubes of rear fork, ¾ inch tubing; upper tubes of rear fork, 11-16 inch tubing. Reinforced at every point requiring extra strength.



Wheels, 28 inches; 32 spokes in front and 36 in rear wheel. Wheel base, 44½ inches. Forks, seamless steel tube fork-sides and double fork crown made of sheet steel. Handle bar, raised, straight or dropped handle bars, at option. Handles, corkaline, with black composition tips. Tread, 5 inches. Gear, 60, 64, 68 or 72, at option. Pedals, Brandenburg combination rat-trap or rubber. Saddles, Norwood, with Tee seat post. Chains, best Humber, ¼ inch. Rims, carefully selected and seasoned second growth stock. Spokes, cold swaged, from best quality drawn steel. Tires, choice of Palmer, G. & J., or M. & W. tires. Weight, 19 to 24 pounds, according to fittings.

Second Sportsmen's Exposition.

The rules and regulations governing the Second Annual Sportsmen's Exposition which will be held at the Madison Square Garden, March 16th to 21st, inclusive, have made their appearance. We give here some of the most important.

"Character of Exhibits. It being the intention to make this exposition exclusively an exposition of sportsmen's goods, the Madison Square Garden Co. reserve the right to decline and prohibit any exhibit, exhibitor, or proposed exhibitors, or exhibits not approved of by the Exposition Committee, and to permit only such matter and conduct as shall be approved of by the Exposition Committee. The above reservation covers persons, things, conduct, printed matter, souvenirs and emblems, and all things which affect the character of the exhibition; information, submission of proposed matter or conduct to be made to Frank W. Sanger, manager of the Sportsmen's Exposition, Madison Square Garden. Exhibitors have the right to distribute approved of catalogues and price lists, only from the space occupied by them. Application for special privileges, such as advertising, souvenirs, etc., together with a sample of the same, must be submitted to Frank W. Sanger, not later than February 10th, 1896."

"Bureau of Information. During the show, and for three days prior thereto, a representative of the Executive Committee of the Sportsmen's Association will, at all times, be at the Bureau of Information, located in the main lobby, where information on any point may be obtained."

"Insurance. The Sportsmen's Association or the Madison Square Garden Co. shall not be held responsible for the safety of the exhibits against robbery, fire, accident, or any other destructive cause. In all cases the exhibitors must insure their own goods."

"Signs, Railings, Decorations, etc. Show cases with blank backs requiring high partitions must be placed as far as possible in the space at the sides. Where show cases are not used, space partitions must not be over four feet high. Signs will not be allowed over three feet in height, and must be placed at least seven feet from the floor. Exhibitors are allowed to build platforms six inches high covering their spaces, and surround the same with railings thirty-one inches high on front and sides."

"Writing-room. There will be a writing-room provided, in which business correspondence can be carried on with facility."

"Special Admissions for the Trade. Any dealer in Sportsmen's Goods, manufacturer or exhibitor or employee of exhibitor will be admitted to the Garden free from 9 A. M. to 1 P. M. by giving his name and address at the Bureau of Information when entering."

The diagram of the exhibition spaces has been drawn up, and the spaces are ready for allotment.

Sargent & Co., New York and New Haven, in their calendar postal for the present month, say: "December 1st is Sunday, but you can commence bright and early on the second to make money with the Eclipse Door Check and Spring—this is a good month to sell them. The Eclipse not only closes doors noiselessly, preventing drafts, but it is easy to sell and it pays well. All your neighbors should have them in use, but they haven't. We will furnish advertising matter if you want it."

The Detroit Car Axle Lubricator Co. has been incorporated in Detroit, Mich., with $60,000 capital. The stock is held by Arthur W. Wright, Luther S. Trowbridge, William Woollatt, E. W. Pendleton, Jane P. Williams and John B. Wright.

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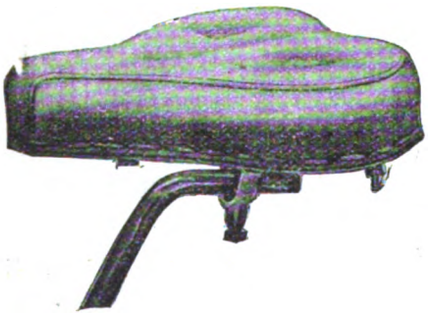
The Sager Pneumatic Saddle.

"A pneumatic saddle," says a high authority in the bicycle world, "is relatively as essential to a rider's comfort and pleasure as the pneumatic tire, and is fully as great an improvement as is the latter over the old solid or even the discarded cushion tire."

Many efforts have been made to produce an absolutely practical air cushioned seat, and there is one inventor who feels that he has at last reached the ideal. For a long time, J. H. Sager, of Rochester, a pioneer bicyclist, and superintendent of the Sager Mfg. Co., has been working on the



idea of air chambered seats, and at last has invented a saddle which, it is explained, "fills the bill." "Pneumatic in principle, it is unlike any other effort. The Sager Pneumatic Saddle is so made with separate chambers that the air cannot roll underneath the rider. This rolling and shifting about of a single chambered seat caused so much friction as to produce the inevitable 'burning sensation' which riders have complained of. With separate air tubes this will not occur, and the lacing of the Sager Pneumatic between the chambers will also prevent the slightest pressure on the prostate gland. Another feature to keep the saddle cool is in the placing of two circular holes in the rear portion of the seat. They are so placed as to receive the bones which rest on the saddle, contributing further ease, and also aiding the rider to maintain a correct position. Among all riders who have ridden the Sager Pneumatic, and particularly with the women, infinite satisfaction has been expressed. The Sager Ladies' Pneumatic is shorter in length and broader at the cantle than the gentleman's Pneumatic. Every saddle is a model of perfection. The best quality of rubber tubing is used. The leather covering is carefully formed to the shape, which after repeated trials has been found most satisfactory, and being laced on, can be easily removed. The wooden base of the

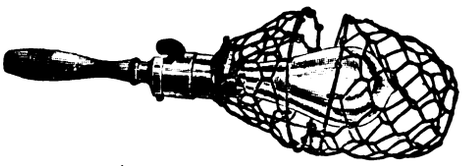


saddle is three-ply veneer and thus rendered practically unbreakable. By reversing the spring, the forward or back adjustment is given, a feature of especial value when the direct post is used."

The Waltham Mfg. Co., makers of the "Orient," have adopted the Sager Pneumatic to be used exclusively on every one of the 8000 wheels to go from their factory in 1896. This is the first instance where a maker has exclusively adopted a pneumatic saddle since such a seat first came on the market fifteen years ago. As further proof of the Sager Pneumatic, the Union Mfg. Co. and R. H. Wolff & Co., makers of the "Viking" and the "Wolff-American" respectively, also the Humber Co., have ordered largely of this saddle.

Electric Light and Lamp Guards.

Edward Darby & Sons (Pennsylvania Wire Works), No. 233 and 235 Arch Street, Philadelphia, make the following announcement: "We are now ready to supply the trade with the Enterprise Patent Electric Light and Lamp Guard, of which we are the sole owners and manufacturers. This guard is a great improvement over the old style guards, being more easily attached around the socket and requiring no brass ring for that purpose. It is made of steel wire, twisted, afterwards tinned, soldering all the twists together, and made with a hinge and clasp in the middle so that you



can get at the glass globe to clean or put a new one in, without detaching the guard from around the socket, which has to be done in the old style guards that have a brass ring attachment. We have seen and know by experience that the screws in the brass rings on the old style guards drop out from the vibrations of buildings and the globe works out of the socket, falls to the floor and breaks. This is impossible with our guard. It is stronger than any guard in the market, and very neat in appearance and has given better satisfaction to firms, that have put them in use, than any of the old styles which they have tried. The price of this guard is lower than any of the old styles which have been used by some of our factories, steamships, etc. It will pay you to write for a sample guard and our price before purchasing elsewhere. When ordering goods please state socket." The accompanying illustration shows the construction of the guard.

The Dean Specialties.

Henry E. Dean & Co., Worcester, Mass., are introducing an Ash Sifter as here shown. It is made from heavy wire cloth, and is galvanized after being made to render it rust proof and durable. The sifter is furnished with a barrel cover which shuts down over a barrel used to prevent the dust from flying.

They are also introducing the Wire Hens' Nest illustrated herewith. The nests are made from heavy steel wire,

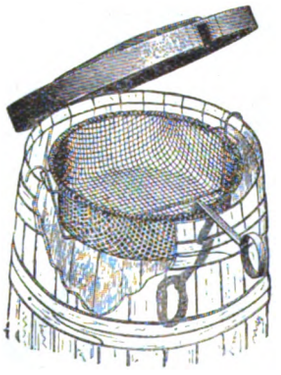


FIG. 1.—DEAN SIFTER.

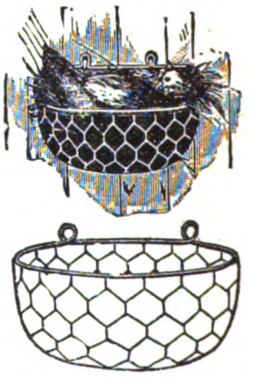


FIG. 2.—WIRE HENS' NEST.

japanned, and are large enough, it is stated, to accommodate any hen. The advantages claimed for the nests are that they are easily cleaned, that there is no possible chance of vermin collecting on them, and that they can be attached to the building anywhere, and taken down easily.

"Our Xmas Offer," in heavy gold lettering, is on the cover of an artistic announcement just received from the Bissell Carpet Sweeper Co., Grand Rapids, Mich. It sets forth fully the remarkable offer made in full in our issue last preceding. Dealers who wish to keep up with the procession, should send for a copy immediately.

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Defiance Bicycle Co.

The Defiance Bicycle Co., Defiance, Ohio, have one of the finest factories in Ohio, filled with the very best and latest improved bicycle machinery. They call attention to the fact that they employ workmen thoroughly skilled and away up in the art of bicycle making, and that they are devoting all the energies of skill and money to the manufacture of a first-class line. The name of their bicycle is the Wheeler, named after their vice-president. They have made the price of the wheel but $85, and feel justified in the claim that "the Wheeler is the peer of any wheel on earth, no matter what the price." They add: "One feature of our wheel is our detachable crank-shaft (our own invention, patent pending), which is pronounced by experts to be the best thing out. By simply removing one screw, the crank-shaft can be taken out and replaced without disturbing the adjustment in the least. Any wheelman will readily appreciate this advantage." Full particulars will be found in the new catalogue, which will be sent on application.

Cyclists' Road Machine.

R. K. Teller, of the Tie Co., Unadilla, N. Y., has invented the Cyclists' Road Machine as shown in the accompanying illustration. The device is designed to make paths for bicyclists in small towns. It is stated that it makes a path thirty inches wide by running over the ground once,



removing all obstructions, and pulverizing the ground with a cross rake, the ground being made by a scraper which follows. It is further remarked that the machine runs but little harder than a lawn mower.

The machine is intended for sale in towns and to be paid for by subscriptions of the riders, the labor for running the same to be paid in the same way.

The manufacturers claim that it will make perfect roads, and help the sale of bicycles in country towns where there are no pavements.

J. Van Valkenburg & Sons, Huntsville, Ala., have changed their name to Van Valkenburg & Matthews, the partners being the same as before, W. R. Van Valkenburg and Luke Matthews. They have moved into their new building, which is three stories high, with cellar, each floor measuring 50x150 feet. They handle Hardware, implements, wagons, buggies, harness, guns, paints, oils and builders' goods. They have two men on the road, and expect to do a $250,000 business in 1896.

The Enterprise Junior Feed Grinder, illustrated and described in the recent issue of HARDWARE, is manufactured by the Enterprise Mfg. Co., Columbiana, Ohio, instead of Columbus, Ohio, as stated.

Bean & Lang, Fond du Lac., Wis., manufacturers of United States Cyclometers, have been succeeded by the United States Mfg. Co., who will carry on the same business.

Review of the Markets.

Hardware: There is a general slacking of trade owing to the near approach of the holiday season, and the time for the general stock-taking. Dealers are consequently averse to adding largely to their stocks, which in some lines are ample for all needs. There is some impression that prices are going to pieces, but this is an erroneous idea. Reductions in prices have only been made on lines on which advances were made too rapidly. On the whole, a cheerful feeling pervades the market, and a fine trade is confidently anticipated after the opening of the year. Millions of dollars have been spent in building and improvements in New York this season, and builders' Hardwaremen have reaped their share of the profits, that branch of the business having been exceptionally good recently. Shelf Hardware is also having a run.

Linseed Oil: New York prices are unchanged and are as follows: Raw 42 cents per gallon, boiled 45 cents per gallon and Calcutta raw 48 cents per gallon.

Cut Nails: Prices are unchanged and are here given: Carload lots, f. o. b., Pittsburg, base, $2, with the following advances on former delivery prices: 2½ cents to Chicago; 3 cents to New York, Philadelphia, Baltimore and the Southwest; 3½ cents to St. Louis, New Orleans, Mississippi River points and New England. The delivered price on small lots of Cut Nails is 10 cents more at any point than carload lots at the same point. The following are the New York prices: Carload lots on dock, $2.18; small lots on dock, $2.28; small lots from store, $2.30.

Wire Nails: There are no manufacturers of Wire Nails of any great importance outside of the Association, consequently that organization is in better condition than ever to maintain prices. It is even hinted that there is a concerted action between the Association and the National Hardware Association with that object in view. The increased inquiries indicate that stocks in the hands of dealers have been broken up and that they are now in a condition which necessitates their purchasing. It was thought that the price of Wire Nails might be reduced at the recent meeting of the manufacturers held in Cleveland, but it was settled that no change should be made. We quote as follows: Carload lots on mixed cars $2.25 per keg base, f. o. b. Pittsburg, less than carload lots, $2.35 base, f. o. b. Pittsburg. The New York prices are for carload lots on dock $2.43, and small lots from store $2.53.

Tacks: Business is brisk, but the movement that characterizes the market is not credited to the new discount sheet. The discount on Standard weights (***), as announced in our recent issue, 10 and 15 per cent. extra, should be changed to 10 and 5 per cent. extra.

The prices quoted below are for small lots. Round lots except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ₩ lb	12½
Ansonia grade Arizona	12
" " Casting	11½@11¾
G. M. B	11¼@11½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl., ₩ lb	17c.
Over 3½ to 5 " " ₩ lb	18c.
Square and Hexagon Rods, ₩ lb extra	1c.
Tobin Bronze—Piston Rods.	
¼ to 3½ inches, inclusive, ₩ lb	18c.
Over 3¼ to 5 " " ₩ lb	19c.
Antimony.	
Hallett's, ₩ lb	7½
Cookson's	8½
Lead.	
Foreign, ₩ lb	nominal.
Domestic, Pig	3½@3⅝
Spelter.	
Western Spelter	4⅝@4½
Bertha (pure)	7@7½
Zinc.	
600 lb casks	6
Per lb	6½
Tin.	
Straits, Pigs	15¼@15½
Straits in Bars	16
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.25
Do. 20x28	8.50
D. R. D. grade, 14x20	4¾
Do. 20x28	8½

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "Forecasting markets with facts alone as a guide, is the idle work of many busy men. Conclusions based on what is known, may seem like foreknowledge, but be misleading as a desert mirage. The ocean's

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upheaval from unknown depths easily overwhelms the visible waves and currents. Public sentiment is such an unsounded depth. When its demonstrations are uplifting, optimistic and speculative, it carries theories and facts like driftwood on its rising waves. Straws.—Seventy Americans have an estimated aggregate wealth equaling $37,500,000 each or $2,625,000,000. These fortunes will form a tower of strength in the development of the gigantic enterprises of the twentieth century now near at hand. Sales of mining shares in Colorado Exchanges indicate the fever of speculation is not dead or dying. Gold output of Colorado now estimated at one million daily. A South African mining authority estimates total product all mills in Witwatersrand district from discovery to June 30th was 7,651,935 ounces or equal to $158,165,497. United States mints stopped all coinage of silver dollars recently. The standard silver dollar is worth now about fifty-three cents gold. United States mints continue coining the gold reserve bullion long held sacred and in trust. United States blast furnaces are turning out pig iron at rate of 11,500,000 to 11,750,000 tons per annum, breaking all records and exceeding consumptive demand. Eleven Southern States mined 28,321,608 tons of coal in 1894, or more than twenty times the product of same States twenty years ago. Exports of manufactured goods nine months of 1895 were $155,793,586, against $133,378,609 a year ago. It is to be hoped the coming Congress will arrange to meet the government's ordinary expenses by protection to American industries, rather than aid aliens to get our gold and displace our laborer by filling our markets with foreign-made goods."

THE PHILADELPHIA TRADE.

The holidays are now nearly upon us, but the cold weather, which is always so ardently desired in order to move holiday goods, has not made its appearance. and beyond a few frosts the temperature has been unusually mild. Despite this, holiday goods, such as Sleds, Skates, Tool Chests, etc., are moving fairly. There is no doubt that the demand for all these goods will be greatly quickened, and we hope this will arrive in the next few days.

Prices continue without important changes, unless we except Barbed Wire, which is now quoted at lower figures, owing, we understand, to a fight among the Western manufacturers.

At the date of this writing no change has been made in Nails, which are moving in fair volume, as Nails will always be used, no matter what the price may be.

Collections can hardly be called fair, as they are still halting and irregular, although an improvement has been noticed in the last few days. BIDDLE HARDWARE CO.

THE COLUMBUS TRADE.

Trade is holding up well on general Hardware and seasonable goods, such as skates, sleds, axes, cross cut saws, etc. On goods that have been too high, such as nails and wire, buyers are very cautious, and we think retail dealers allow themselves to get entirely out of such goods for fear they will have some stock on hand, and a decline in price come. Wire has taken quite a drop, and we think present prices are not high, and dealers can buy with a reasonable degree of safety for their wants. Nails are too high, and cannot stay at the present price, and there is no reason why they should. We hope to see the price reduced to where it will leave the manufacturer a fair profit, and then remain at a steady price for months. It will help the building Hardware trade very much if a reasonable decline takes place in nails, steel beams and girders before spring trade opens up. The worst demoralized article we know of at present is wire cloth. This is one of the articles where the retailer makes all the profit, and he is to be congratulated. If we are not badly mistaken, we can give the reason for the present condition of the wire cloth market. It is on account of the pernicious practice of jobbers booking orders for such goods six and even eight months before the retailer needs them. If jobbers would only discontinue this unwise practice, it would be beneficial to the retailer as well as themselves. It is not uncommon for jobbers to begin soliciting orders for next season's goods before the present season is over. And very often the retailer buys more than he can dispose of. It takes but a few days to deliver goods from the near-by jobber to the retailer, and if they would consult their best interests they would refuse to buy any goods six or eight months before they need them. Thirty to sixty days is ample time. They lose more times than they make when they buy so far ahead. And then there is often something new put on the market that would suit their trade better, and at as low, if not lower price than that at what they bought. By postponing their purchases until about the time they need the goods, they have ample opportunity to get posted both on prices and goods. This is one of the important things in the Hardware business. We hope the day is not far distant when this demoralizing practice will be a thing of the past. SMITH BROS. HARDWARE CO.

THE PITTSBURG TRADE.

The long deferred rise in our rivers occurred last week, and let out a part of the coal which has been detained in our harbor for months. This will start up the idle mines in the Monongahela Valley, and put money in circulation along that river.

The local demand for Hardware is only fair. A better demand for cutlery is noticeable, as is usual at this season of the year. Collections are about up to the average, although some sections are very backward.

The short-lived "boom" in the early part of 1895 has spent itself, and we are now resting for what we hope will be a more permanent activity, to begin after the turn of the year. LOGAN, GREGG & CO.

THE TOLEDO TRADE.

Trade in this section for the last month has been fair.

The demand for builders' Hardware has been very good, considering the time of the year, such goods as stove pipe, coal hods and stove trimming having been at fair demand, although we notice quite a falling off of orders for nails and wire.

Dealers in general are carrying a well assorted stock, but we think they are not overloaded.

Collections have been good in some localities, and in others they have been quite slow. We notice the tendency of the jobbing trade is to look closer to their collections, and not give too long time on invoices. Glass has also been in very good demand. Paints have not sold as well.

We are having a cold snap at present, which is good for the sale of skates, sleds and sleigh bells, and if we have considerable snow it, no doubt, will move off a good many axes and cross cut saws.

We are not anticipating a very heavy trade this winter, owing to the fact that the farming community have very little to sell, and what they have got brings a very low price, potatoes being sold as low as twelve cents per bushel in some sections of our territory.

We are looking for a good trade for next spring, although we do not anticipate the *high prices* that some manufacturers seem to think they will be able to get. People in our section are generally all employed; we do not hear of many people being idle, and this fact leads us to believe that we will have a fair Christmas trade.

STOLLBERG & CLAPP CO.

THE CLEVELAND TRADE.

The trade during November has been somewhat better than for the few months previous, and we feel encouraged to believe that the improvement thus shown will continue after the beginning of the new year.

The break in values of Pig Iron, etc., is commencing to

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show its effect upon some of the leading staples, such as Barbed Wire, etc., but has not yet affected Nails.

Seasonable goods are moving in reasonable quantities, but we anticipate an early closing down of orders. There is much more inquiry for Bicycles than was the case at this time last year, as dealers have learned from their experience of 1895, that it will be a wise thing for them to make provision for the future while they have an opportunity.

Many jobbers are not provided with stocks so as to be able to fill their orders, and while there is a promise of a very large output of Bicycles, we feel confident that many of them will not get on to the market until after the proper time. Even the older and better established factories are finding that they cannot make shipments as early as they had originally expected, and orders placed for shipment in November with every expectation that they would be promptly filled, have not yet been executed. This is a fair indication that the trouble which existed last year will probably be repeated during 1896.

We have been enjoying some good rains within the last two weeks that improve the situation very considerably, and the weather as we write is much more seasonable than is usually the case at this time, the thermometer standing as it does at about fifteen above, with a good fall of snow on the ground. McINTOSH-HUNTINGTON CO.

THE DAVENPORT TRADE.

Although many mills joined the Wire Nail Association at the last meeting, prices are still unsteady and a lack of confidence in the market is manifested.

The disbandment of the Barb Wire Association was a surprise, coming as it did in the same week of the wire nail love feast, as many were interested in both associations. A private letter from a prominent manufacturer announces that there is a strong inclination to get together again, fix up matters and reorganize the association. This should be done promptly, as the prices fixed by the association were fair and apparently entirely satisfactory to the trade; notwithstanding the temporary war on prices, there is but little selling.

Trade has been very good in snow shovels, skates, hand sleds, sleigh bells, axes and other seasonable goods, but general trade is light. Collections are exceedingly slow, and many houses are asking for extensions and quite a number have gone into liquidation.

Work on the new government bridge is progressing satisfactorily. The citizens stock subscriptions for the new railroad is nearly taken and it is believed that building will soon commence. It is understood that this means another railroad line into this city.

The decline in prices will reduce the stock footings on the annual inventories to a point that may make the final balances for 1895 on the wrong side of the ledgers.

Will the wire nail prices be kept to a point that will again invite importation? How does the trade like the no case and cartage regime? In Davenport we have not been able to add the costs of packing and draying to the selling price of goods, as was predicted we could do, by some of the smart dealers who were at one time so proud of the temporary glory achieved by the announcement that they would discontinue this charge.

Now that the National Hardware Association has met and broken bread, will the lamb and the lion lie down in peace together, or will they go home and lie more selfishly than before? SICKELS, PRESTON & NUTTING CO.

THE GRAPHITE TRADE.

Business for November has been so steady and devoid of special features that it is difficult to communicate anything of more than ordinary interest, other than that all the graphite products have not kept the pace as to sales, crucibles having far outstripped previous records—while pencils and lubricants do not equal the average.

The sharp buying for holiday trade always affects pencil sales, as they are not in any sense holiday goods, and the close of the bicycle riding season reduces the demand for chain lubricant sufficiently to cause a smaller showing in the lubricating graphite totals.

Compared with November of the prosperous year—1892—business is highly satisfactory and the year promises strongly to be a banner one, with a plentiful supply of orders over.

The promptness of remittances should please the most exacting. JOSEPH DIXON CRUCIBLE COMPANY.

THE OMAHA TRADE.

Trade for the past week has shown a fair degree of activity for the season, and this in part must be attributed to the winter weather prevailing, which has improved the demand for Skates, Sleds and other seasonable goods. This is a season when little activity is expected, as stocks are being shaped for the annual inventory, and considerable complaint is still made by retailers in regard to slow collections and trade. Until the crop of the past year leaves the hands of the farmer at better than present ruling prices, little change can be expected, as under present conditions it has little purchasing and less debt-paying power.

Some complaint is made in regard to prices, particularly on Wire Nails, on which the prices fixed by the pool have not been well maintained by the jobbers. This, no doubt, is caused from the fact that there was a feeling that a reduction in price would be made, but with the old price reaffirmed and the recent guarantee established by the mills, it is to be hoped that jobbers will see the wisdom of assisting in maintaining the market, rather than in the effort to break it.

The break on Barbed and Plain Wire and Staples has not stimulated the demand, but rather killed what little there was, as buyers are anticipating still lower prices, which expectation, however, from a manufacturer's standpoint, is hardly likely to be realized. RECTOR & WILHELMY CO.

THE ST. PAUL TRADE.

We have entered upon the last month of the year, with trade conditions that are as favorable as could be expected when the low prices of farm products are taken into consideration. As a consequence of this last named condition, collections are somewhat slow, particularly with that class of customers who are usually inclined to be slow. The recent action of the Wire Nail manufacturers in reaffirming the price on nails, strengthens confidence in prices of other lines of goods, and will help to round out the year's business in a satisfactory manner. Seasonable goods and goods adapted to holiday trade are moving quite freely. We look for continued activity up to Christmas.

C. W. HACKETT HARDWARE CO.

THE CHARLESTON TRADE.

Trade during November has been unusually good, and the close of the month found a good number of orders unfilled, which has not been the case for three years past. The daily receipt of supply orders shows that our trade is using former purchases, and is in a healthy condition. We have had some difficulty in obtaining needed goods, noticeably axes, that have been and still are in demand. Little complaint can, however, be made of non-shipment of goods by manufacturers, and we have had less trouble in keeping our stock fully assorted than we would have had if we were not so impressed at the opening of the season that a large trade was a necessity, and governed ourselves accordingly. Advances seemed to have reached their limit, and we have no doubt that a decline will be in order, though not serious enough to be a disturbing element in trade. Acting upon this expectation, we are not anticipating probable future wants, but simply ordering in sufficient quantities to meet daily necessities. The year now closing has been one of unusual mercial features, and marked contrast. With-

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out any seeming reason, the downward tendency of all iron products disheartened the most sanguine, and left none who handled them any profit in so doing. Again, upon equally groundless trade conditions advances were made and being not only accepted but welcomed, were in many lines not only unreasonable but pernicious.

It is a source of congratulation now that consumers were needy and deliveries rapidly made, preventing an accumulation, and in consequence a large stock on a falling market.

While we look for a shading of present prices in the near future, there may be in the new year conditions that warrant the maintenance of present figures or even an advance, but we have no disposition to place advance orders preferring the course above stated.

Collections have been better than we expected, and an examination of accounts very gratifying. We expect to be pressed during the entire month to keep up with current business, and hope to open the new year with only those orders unfilled that are held by instructions as to dates of shipment.

Our travellers are constantly annoyed by representatives of manufacturers seeking the smaller trade, and complain daily of the unfair dealing of many of them. This, however, is so common a complaint that its mention here may be deemed only space filling, but it is a very serious matter with a jobber, and one that should be written about and talked about daily, until a release is had or the jobber is unmistakably informed that he has no rights that a manufacturer is bound to respect. Such an understanding is needed now so that each will understand the other's position and be enabled to act intelligently and protect all interests. MARSHALL, WESCOAT & CO.

THE BUFFALO TRADE.

Trade since our last letter has been on the whole quite satisfactory. Collections have been fairly good, and customers are feeling better.

We are especially busy just at present on account of the good sleighing which we have had for a few days, which has helped trade, as there seems to be a good deal of life and snap to it.

Were it not for the decline in price on some lines of goods, which we regret to see at this particular time, there would be good reason to look for a splendid trade a little later on, but we fear that the depression which now exists may have poor results. We hope, however, that our fears will not be realized, as we desire to see more firmness on all lines of goods. WEED & CO.

The Kingman-Moore Implement Co., Peoria, Ill., has been incorporated by Martin Kingman, C. A. Jamison and Gustave H. Schimpff; to manufacture agricultural implements, etc. Capital stock, $250,000.

THE BARNES WHITE FLYER

Is a Popular and Trustworthy Mount.

IT can boast of more novel features than any machine on wheels. . . . . .

The Barnes Cycle Co.,

Write for Catalogue. Syracuse, N. Y.

A Leather Tire.

A citizen of the city across the great Bridge has invented a bicycle tire that is made from the best tan sole leather, and two pairs can be cut from a hide. The ends are joined by a bias seam, made perfectly smooth, and the tire is sewn on the inside or portion which fits in the rim. About a foot of this seam is left open and fitted with a lacing, so that the rubber inner tube may be inserted. This is very strongly made, especially at the ends. The leather tire, as constructed, will stand great pressure and can be made almost as hard as an old solid tire if desired. After they are completed they go through a process which makes them water-proof, so that in wet weather they do not get soggy.

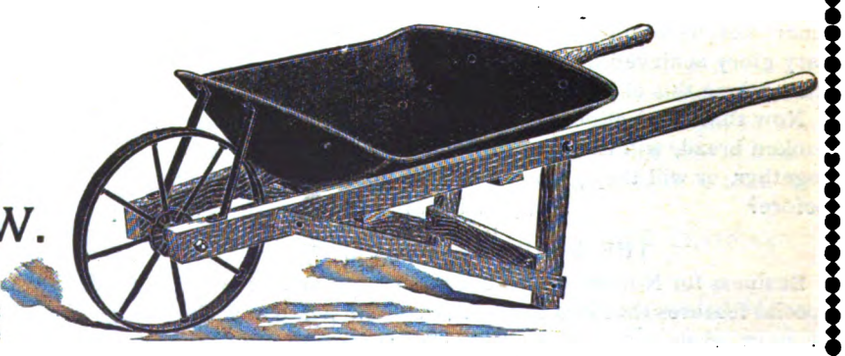
Anderson Bros., sheet metal workers, of No. 394 Grove Street, Jersey City, have on exhibition in one of their show windows, a shovel that was made in 1858, by their grandfather, John Anderson. It was made of No. 17 black iron, the handle being brightly polished by the thirty-seven years of constant use which it has had. It has been used for all sorts of purposes, but principally as a fire shovel. In shape it somewhat resembles the ordinary dust-pan, the surplus iron in the back corners being used in making "dog's ears."

Dixon's Silica Graphite Paint, manufactured by the Joseph Dixon Crucible Co., of Jersey City, N. J., will be used in painting all the tin work and skylights of the Post Office Department building at Washington. A quantity will also be used on the Capitol, and the District Government building.

George T. Walker and others will probably establish nail mills at Second and Atchison Streets, St. Joseph, Mo.

PAN-AMERICAN R. R. BARROW.

With Round Steel Spoke Wheel. The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.



Write THE KILBOURNE & JACOBS MFG. CO.

COLUMBUS, O., U. S. A.

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Bissell Carpet Sweepers.



Now that the holiday season is close at hand and dealers are cudgeling their brains for attractive window displays, the Bissell Carpet Sweepers should not be overlooked, as by proper arrangement an atrractive exhibit of them can be made. The company state that their Christmas offer of carpet sweepers this year has never before been equaled by any manufacturer—at any time—for any purpose in the history of the carpet sweeper business. The Baby Bissell makes a Christmas present that will please the little girls, while the large ones will please the big girls.

Recent Trade Publications.

The Kelly & McBean Co., Niagara Falls, N. Y., send us their catalogues Nos. 10 and 11. They say: "In these catalogues we have illustrated our line of flat-ware and hollow-ware, and have tried to represent all the goods so plainly that no difficulty will be experienced in finding any particular article desired, thus making it easy for you to send us an order. In our silverware and aluminum novelty department we have the largest line of souvenir spoons in the country, with a 'thousand and one' other articles of souvenir and advertising novelties in both silver-plated and aluminum." The company also manufacture a line of dog collars, harness check hooks, harness snaps, halter chains, cow ties, coil chains of every description, plumbers' chain, key chains, etc., etc.

We have at hand two catalogues and a supplement under dates of January 1, September 1 and December 1, 1895, from the Union Mfg. & Plating Co., Freeport, Ill. The company announce that they have succeeded to the business of the Kingsley Specialty Co., and that they will continue to carry in stock most of the goods formerly sold by that company. The Union Mfg. & Plating Co. manufacture box openers, bird cage hooks, cake turners, ceiling hooks, curling irons, corn huskers, drawer pulls, electric curlers, fish spears, flower pot brackets, garden sets, hammers, hinges, horse tooth files, house numbers, ice shaves, ice picks, ice box latches, lamp brackets, lid lifters, mincing knives, nut crackers, pinching irons, pokers, soldering sets, tack claws, timbale irons, tracing wheels, wagon jacks, weeding hooks and many other articles.

Patterson, Gottfried & Hunter, Nos. 146–150 Centre Street, New York, are sending their friends a "wheel of fortune," which, properly manipulated, tells one a great many things he did not know before. Its special message seems to be the Reeves Wood-Split Pulley, which the firm handles.

William Johnson, the Hedenberg Works, Newark, N. J., has issued a price sheet of Conductors' Punches manufactured by him. It shows various designs, gives prices, etc.

Side Line Offered.

SALESMEN wanted on commission to hand'e as side line or otherwise a line of leather cup valves, cylinder and plunger valves for pumps, etc. Address GEORGE OBERNE & Co, No. 383-401 North Halsted Street, Chicago, Ill.

Side Line Wanted.

TRAVELING salesman, twelve years with present house, wants line table cutlery, house-furnishing goods, tinware, or A1 specialties, in connection with old line, for Michigan, Indiana and Ohio. Address M. I. & O., care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

WATCH THIS SPACE

For our 1896 Wheels.

APOLLO,
CHALLENGE,
CYCLO AND
FAIRY.

Fire Arms, Sleds and Sporting Goods.

EDW. K. TRYON, JR., & CO.,

PHILADELPHIA.

AGENTS FOR

Morgan & Wright Tires. Union Hardware Co.'s Skates.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



25c.

Regulates supply of oil to a drop.

DOES NOT LEAK.

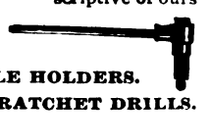
Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of ours

FORBES PATENT DIE STOCKS.



CURTIS PATENT NIPPLE HOLDERS.

CURTIS PATENT RATCHET DRILLS.

PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden St., Bridgeport, Conn.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Bessemer, Ala—Edgar L. Mitchell.

Centerville, S. Dak.—Mr. Hicks.

Columbus, Miss.— Banks-Sherrod Hardware Co.

Frost, Tex.—Long Bros.

Galveston, Tex.—J. B. Bryan, Jr.

Greenwich, Conn.—Whelan & Wigmore.

Harrow, Ont.—Charles Richardson.

Hoboken, N. J.—Lee, Stevens & Bente, No. 111 Washington Street.

Marquette, Kan.—J. W. Jenkins & Co.

New Hampshire, O.—Harry S. Chapman.

New York, N. Y.—J. S. Rose, No. 63 East 125th street.

Parsons, Kan.—L. L. Black.

Springfield, Ill.—William Grospitz.

St. Albans, Vt.—Folsom & Morton.

Titusville, Pa.—J. W. Beers.

Record of Changes.

Aron Park, Fla.—W. H. Clark, Hardware, stock purchased by John Cook & Son.

Atlanta, Ga.—Hall & Heery, retail Hardware, will dissolve partnership, and retire from business.

Atlanta, Ia.—Shondy Bros. have bought the Hardware stock of J. F. Fisher.

Bolivar, Mo.—T. J. Wilson, Hardware, has been succeeded by T. J. Wilson & Bro.

Bowling Green, Mo.—Dixon & Ward have been succeeded by Ward Bros., Hardware.

Bryan, Tex.—J. Allen Myers has bought out the large Hardware business of William Koppe.

Canaan, N. H.—Fred Randlett has now purchased the Hardware and stove business formerly conducted by George W. Randlett.

Cherry Creek, N. Y.—C. S. Shepard has sold a half interest in his Hardware store to Mr. Skiff.

Clifton Hill, Mo. — Stamper & Cobb, Hardware and lumber, have been succeeded by F. M. Stamper.

Columbus, Miss.— W. L. Kemp, Hardware, has sold out business.

Cuba City, Wis.—H. Fiedler has sold his Hardware stock to Frank Hiel.

Dawn, Kan.—C. D. Owens & Co., Hardware dealers, are selling out stock.

Dawn, Mo.—J. J. Boehleber has purchased the interest of H. Bushnell and H. Copple in the Hardware store of C. D. Owens & Co.

Dearborn, Mo.— The Arnold Hardware Co. has gone out of business.

De Leon, Tex.—Kee & Ayers, Hardware and agricultural implements, succeeded by Kee & Day.

Dryden, N. Y.—Messrs. B. S. Weyant and Charles D. Kingsbury, of this place, have purchased the Hardware business of French Bros.

Elsie, Mich.—The firm of Pearce & Arthur, Hardware merchants, has been dissolved, Mr. Arthur retiring. The business will be conducted by Mr. Pearce.

Golden, Colo.—The Hardware firm of J. H. Linder & Co., has been dissolved, Mr. Linder purchasing the interest of Mr. Parker.

Grand Forks, N. Dak.—F. C. Walther has disposed of his Hardware interests to Mr. Robinson.

Harrisburg, Pa.—William Cleckner, clerk in Frederick H. DeHaven's Hardware store, has purchased the stock and will continue the business.

Himet, Cal.—E. A. Clampitt has recently sold his Hardware business to J. R. Parker.

Jackson, O.—D. L. Pickrel has sold his interest in the Hardware business of Erwin Bros. & Pickrel to the Ervin Bros., the new member of the firm of Ervin Bros. being E. W. Ervin.

Jansas, Neb.—W. R. Babcock, Hardware, etc., sold out business.

Kansas City, Mo.—Heimlich & Carrol's Hardware business purchased by E. B. Carrol.

Kearney, Mo.—W. C. Mitchell & Bro., Hardware, etc., have been succeeded by D. L. Ray.

Kissimmee, Fla.—Henry J. Barnes, Hardware, reported to have sold out business.

La Grange, Ga.—Ware & Williams, Hardware, have been succeeded by Ware & Son.

La Paz, Ind.—Rev. Mr. Landis, of Plymouth, and his brother, of Huntington, Ind., have purchased Ketcham & Wilson's Hardware store.

Lexington, Ky.— The old and popular Hardware firm of Kidd & Graves, No. 56 East Main Street, has dissolved, Mr. C. Kidd, retiring, and Mr. Buford A. Graves, son of Mr. J. M. Graves, the former partner, taking charge of the business under the firm name of Buford A. Graves & Co.

Linneus, Mo.—Long & Force, Hardware, have been succeeded by H. B. Johnson.

Madison, Fla.—Philip P. Duvall, Hardware dealer, is reported to have sold out.

Mammoth Springs, Ark.—M. Matthewson, Hardware, etc., has admitted J. E. Sharum to partnership.

Marshall, Ill.—Ed., Charley and Lou Cole have purchased the interest of D. Cole in the Hardware store of D. Cole & Co.

Mason, Mich.—The Hardware firm of Fitch & Raymond have dissolved, C. C. Fitch retiring from the business, which will be continued under the management of Mr. Raymond.

Melrose, Mass.—S. M. Scribner has sold out his Hardware business to W. S. Kaulback.

Morrillton, Ark.— Morrillton Hardware Co., Edward Eckols has retired from the firm.

Mound Ridge, Kan.—H. A. Eymann & Co., Hardware and implement firm, have dissolved partnership.

Newton, Kan.—Sieglinger Bros., Hardware firm, have dissolved partnership.

Orange, Tex. — Robinson & Gardner, dealers in Hardware, stoves, etc., have dissolved partnership.

Owego, N. Y.— The Hardware firm of Adams & Son, have dissolved, Horace B. Adams, purchasing the interest of his son, Charles H. Adams, and will carry on the business.

Runge, Tex.—Tips & Heberer, Hardware has been succeeded by Alfred Tips.

St. Joseph, Mo.—Le Cuyer & Commo, Hardware dealers, have been succeeded by Fred Gennette.

Toledo, O.—The firm of Laughlin & Lanterman, Hardware merchants of West Federal Street, have dissolved partnership, Mr. Lanterman, retiring. The business will continue with Martin E. Laughlin as proprietor.

Travers City, Ind.—W. J. Hobbs has purchased the interest of H. D. Alley in the Hardware business of Hobbs & Alley. Mr. Hobbs will continue the business at the old stand on Front Street.

Walker, Iowa.—The Hardware stock of Kratzer's has been purchased by E. H. Beverly.

Washington, Iowa. — Wm. Lewis will move to Lewis, having bought the Hardware store of D. A. Burkhalter.

Windom, Kan.—J. D. Kaufman, the Hardware dealer, has gone out of business.

Improvements and Removals.

Eagle Lake, Minn. — Mr. Hilton, the Hardware merchant, is building an addition to his store.

Riverside, Cal.—The Trowbridge Hardware Co. have removed to the store formerly occupied by J. C. Hardman.

Savannah, N. Y.—The addition to Evans' Hardware store is well under way. It will be three stories high and one story will be used as a tin shop, Hardware store and furniture wareroom.

St. Johnsbury, Vt.—A. V. Andrews & Co., Hardware dealers, will remove to Revere, Mass.

Business Embarrassments.

Downs, Kan.—L. Z. Stump. Hardware and implement dealer, has made an assignment.

Monellville, Pa. — Barron & Walters, Hardware merchants, have failed. The assets are $10,000, with liabilities of $12,000.

Burglaries in Hardware Stores.

Dawson, Ia.—Mr. Bugibes, $800.

Downey, Cal.—A. S. Gray & Co., $100.

Harmony, Del. — William F. Smalley, agricultural implements and Hardware.

Hartford, O.—Perry Hoover, $20.

Kirkville, Neb.—Hardesty & McCullough, $1700.

Seaford, Del.—Hargraves & Coolbridge, cutlery, firearms and silver-plated ware.

Fires in Hardware Stores.

Algiers, La.— Patrick Hartnett, Hardware dealer, stock damaged by fire to the extent of $4250.

Elizabeth, W. Va.—The Hardware store of E. U. Harris & Co., destroyed by fire.

Greenup, Ill.—L. C. Feltner, Hardware and implements, damaged by fire to the extent of $7000.

South Butler, N. Y.—The Hardware store of William S. Pasco damaged by fire; loss, $200; covered by insurance.

Tiffin, O.—The Hardware stock of Park Bros. damaged by fire to the extent of $4000.

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THERE is always a time in the career of every business when Quality and Finish is necessary to build up and maintain your business.



Has this time yet come to you?

It has if you wish to continue the confidence your customer has placed in you. The more competition you have the better ought to be your line of Barrows.

Thoughts and Ideas are valuable, but to maintain the intelligent effort, your goods must maintain a high quality and a moderate price. **THE CHAMPION BARROWS** possess all the above. What more can you ask?

BRYAN MFG. CO., Bryan, Ohio, U. S. A.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

H. C. HIGGINS & CO.,
19 Pearl St., Boston.

Manufacturers' Selling Agents.

We would be pleased to correspond with Manufacturers and individuals having goods to offer the Hardware Trade of New England.

Hunt
BICYCLE SADDLES
WESTBORO, MASS.

Request

Your Manufacturers or Jobbers to deliver your Bicycles fitted with . . . . . .

Hunt Saddles and Tool Bags

If you desire first class goods.

FENTON WHEELS FOR 1896



Are Models of . . . .

Perfect Proportion
Beauty and Strength
1¼ Main and 1½ Head Tubes
Tubular Hubs
Ball Retaining Cases
Mahogany Rims

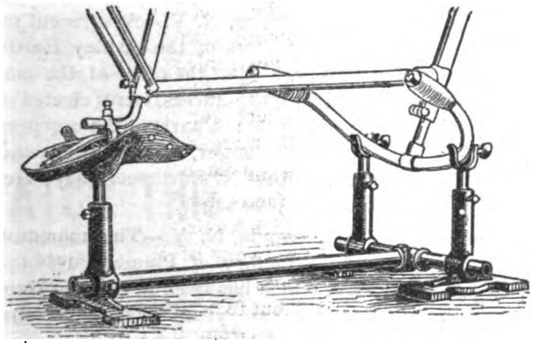
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P. S.—Fenton Wheels have Blue Crowns.

FENTON METALLIC MFG. CO., Jamestown, N. Y.

The **Bown Cycle Rack,** Price, $6.00

No Repair Shop Complete Without It.



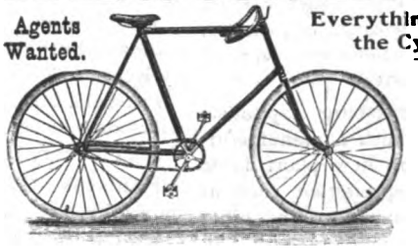
Discount to the Trade.

Manufactured by **Geo. Hilsendegen,**
Detroit, Mich.

R. H. & CO.'s 1895 LINE!

Agents Wanted.

Everything Required by the Cycle Dealer.



The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Bloomington, Ill.—The Wire Truss Fence Supply Co., a new corporation, have purchased the old plant known as the Keystone wire fence factory, owned by William F. Gerstner & Co., and are putting in machinery to manufacture supplies for building the wire truss fence. They will employ fifteen men during the winter and expect to put on more men next spring.

Chicago, Ill.—Wallis, Meacham & Co. have been incorporated; capital stock, $10,000; to manufacture Hardware; incorporators, Adolph Kurz, Morris Schuhmann and William A. Rogan.

Dayton, Ohio.—The certificate of incorporation of the Dayton Knife & Bar Co., which is organized for the purpose of making and selling and dealing in knives, engine bars, edged tools of every description, etc., having its principal office here, has been recorded. The incorporators are: Henry H. Shoup, Sulphur Grove, Ohio; David C. Stutsman, James A. Marley, Marion V. Mumma and William P. Jenkins, Dayton, Ohio.

Detroit, Mich.—The McRae & Roberts Mfg. Co., No. 74 East Fort Street, will erect a $30,000 brass foundry.

East St. Louis, Ill.— Denverside Tool Co. have been incorporated by J. A. Douglas, G. O. Haughand and B. F. Hart. Capital stock, $5000.

Jersey City, N. J.—Articles of incorporation of the "Douglas Saw Mfg. Co.," capital stock $3,000,000, have been filed. The company will manufacture and deal in saws, especially those made under the patents held by C. H. Douglas for working wood, metal, stone and other material, and will also manufacture machinery used in metal and stone working.

Lakeville, Conn.—The Holley Knife Co.'s stone block is nearly finished, and is going to be illuminated with electric lights. The wires have been put in. The dynamo will be located in the lower floor of the knife factory as soon as it comes, and will be operated with the water power that drives the machinery of the factory.

Milwaukee, Wis.—Karger Brass Fixture Mfg. Co. have been incorporated; capital, $2000; incorporators: Solomon Karger, David Karger, J. E. Darly.

New Castle, Pa.—Pittsburg capitalists are taking steps to establish a manufacturing concern here. The new plant is to manufacture railroad specialties, such as nut locks, brace bars, hammers and other articles, all of which are patented.

New York, N. Y.—The Betts Patent Headlight Co., to manufacture headlights, bicycles, carriages and Hardware specialties; capital, $100,000; directors, George B. Wilson and G. S. Wilson, of Philadelphia; William H. Crary, L. F. Betts and Joseph Tripp, of Brooklyn.

Putnam, Conn.—The Putnam Machine Tool Co. have been organized with a capital of $10,000.

Saybrook, Conn.—The Russell Jennings Mfg. Co. has been organized by Simeon H. Jennings, Henry L. Shaler, Stephens E. Jennings and others; to manufacture augers and bits. Capital stock, $200,000.

Seymour, Conn.—The James Swan Co. has been organized to manufacture boring tools and mechanical tools of all kinds. Capital stock, $125,000.

St. Louis, Mo.—The American Safety Vent & Bung Co. has been incorporated by Marcus and Abraham Bischoff and Nathan Fuchs. Capital stock, $20,000.

Terrell, Tex.—The Terrell Hardware Co. have been organized. The following named gentlemen were elected directors and officers: Directors—F. M. Barton, P. R. Scott, James Wallace, W. B. Winberly, C. M. Kitchen and J. T. L. Whitworth. F. M. Barton, president; P. R. Scott, business manager. The company places its capital stock at $6000.

Tremont, Ill.—Truss Fence Supply Co. has been incorporated by Louis A. Kinsey and others. Capital stock, $10,000.

Changes and Removals.

Akron, Ohio.—A transfer of all of the Akron Tool Co.'s property to Geo. W. Crouse has been made. The consideration named is $25,000. The transfer covers all of the company's property and that in addition to paying the purchase price, Mr. Crouse assumes all the obligations of the company.

Bridgeport, Pa. — The Pioneer Lawn Mower Co. have sold their factory building and lot here to B. Brooke Adams, of Upper Merion, and others, on private terms.

Brockville, Ont.—The Garner Tool Works are to be removed from Brockville to Sherbrooke.

Lockport, N. Y.—The industry known as the Lockport File Works, has been bought outright by E. H. Rogers, Jr. and W. J. Rogers, and hereafter will be known as the Star File Works. The output consists of files, rasps, and veterinary floats. The firm also make a specialty of recutting files and have an immense trade in this line from the Erie, and Buffalo, Rochester and Pittsburg railways. The plant is to be located in the Webb building at No. 21 Adam Street, and the machinery and stock is now in process of removal.

Marion, Kan.—The Carter & Evans Hardware and Furniture Co. have been succeeded by Evans & Evans.

Pittsfield, Mass.—The Pittsfield Brass Co. will soon be located in its new quarters in the old tannery building.

Plantsville, Conn.—D. D. Perkins has moved his rivet factory to New Haven, in the Dann Bros. building on State Street.

New Buildings and Improvements.

Chicago, Ill.—The Chicago Hardware Co.'s plant at North Chicago is being pushed at present, and the contractors say that it will be done on time—January 1. In the structure are 1,000,000 bricks. The buildings are: A brass foundry, 111x44; the pattern vault, 14x82; the iron foundry, 93x42; the carpenter shop, 123x84; power house, 32x92, and the main building, 212x44, three stories in height, and a wing to the main building, 22x32, four stories in height.

Kansas City, Mo.—The Richards & Conover Hardware Co., have purchased for a warehouse the five-story brick building situated in the alley between Fifth and Fourth Streets, extending from Wyandotte to Central Street, and formerly occupied by Ramsey, Millett & Hudson. The purchase price is said to have been $29,000.

Knoxville, Tenn.—C. M. McClung & Co., the wholesale Hardware merchants on Jackson Street will erect a big warehouse in the near future. It will be built on the lot adjoining their present eight-story building and will be 25x150 feet in size and five stories high.

Kingston, Mass.—E. P. Hurd, who owns valuable water privileges, will increase his tack manufacturing business by the erection of a new factory 58x120 feet.

Lebanon, Pa.—The Pennsylvania Bolt & Nut Co. are erecting a large shed in their yards which will protect the large steam shears and allow their operation during the winter months. The shed will also be used as a storage department.

Paterson, N. J.—Owing to lack of space in their present quarters, the brass-working firm of McNab & Harlin will erect a new new foundry about 100 feet from their present location. The property has already been purchased for $17,000.

Recent Fires.

St. Louis, Mo.—The main building of the St. Louis Shovel Co.'s extensive plant in this city has been burned. The loss is estimated at between $80,000 and $100,000, and is barely covered by insurance. The officers of the company have decided to rebuild at once and to double the capacity of the plant.

General

Bath, N. Y.—The Miller Keyless Lock Co., of Kent, O., wants to remove its plant to this village, and a special meeting of the board of trade has been held for the purpose of considering the matter. The firm asks the free rental of a building wherein to carry on its business.

Centerville, Mass.—The new tack factory, owned by Greeley & Barrows, has commenced operation.

Ogdensburg, N. Y.—At a recent meeting of the directors of the Ashley Hardware & Iron Co., held at the office of the company, the following officers were elected for the ensuing year: Charles Ashley, president; Chilion P. Conger, vice-president and treasurer; Egbert N. Burt, secretary; Henry H. Bosworth, manager.

Tonawanda, N. Y.—The mammoth bolt and nut factory of Plumb, Burdict & Barnard, which has been in course of construction for two years past, has commenced operations. There was only a small force of men, but from now on the force will be added to continually until the full force of employees, from 500 to 800 are at work.

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SUCCESS

is the daughter of good advertising. I can help you win her. My business is the preparation of trade-pulling advertisements—the kind progressive hardware dealers need. May I write some for you?

Arthur Boughton Chivers, Advertising Writer,

257 Broadway, New York.



Prentiss Calendar Clocks.

PERFECT and RELIABLE.

No Office, Store or House complete without one. . . . . ⊙

⊙ Special Prices.

Made in Oak, Antique Oak, Walnut, Mahogany. . . . . .

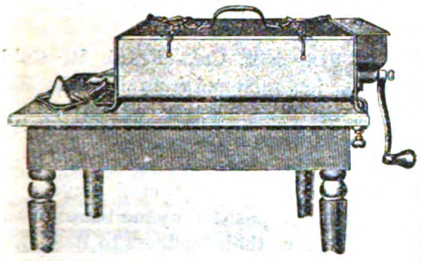
With 8, 30, 60 and 90-day Clock Movements.

Prentiss Calendar Co.

49 Dey St., New York City.



Polar Star Instant Ice Cream Freezer.



⊙ **A Marvel to all who behold it in operation.** ⊙

Size, 21x7x7. **Retail Price $3.50.** Capacity unlimited.

It makes perfectly smooth ice cream with all milk. Cream added makes it somewhat richer, but not smoother. It makes very superior, smooth water ices, frozen fruits, frozen custards, sherbets, etc., and is a very simple, convenient and economical freezer.

No Gearing, cogs or fixings to get out of order.

Noiseless in operation. A child can operate it. Makes a plate of ice cream in 30 seconds or a quart in 5 minutes. All other quick freezers merely SCRAPE it off a TIN CYLINDER, but do not BEAT IT or WORK IT.

Our Freezer **Mixes, Mashes, Pulls, Grinds** and **Whips** the cream more in **30 seconds** than any paddle freezer does in **30 minutes.** Dealers will do well to investigate this promptly. Correspondence solicited.

Manufactured solely by **Polar Star Freezer Co.,**

⊙ Send for particulars and discount. ⊙ 235 LEVANT ST., PHILADELPHIA, PA.

THIS TIME IT IS ELECTRIC BELLS

2½ in. Iron Box, 23c. each.
3 in. Iron Box, 24c. each.
2½ in. Wood Box, 33c. each.
3 in. Wood Box, 34c. each.

WATCH THIS SPACE.

J. JONES & SON, ⊙

Wholesalers and Manufacturers of

Electric Supplies,

7 Cortlandt St. ⊙ NEW YORK.

PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

Tourist Cycles.

Price, $75.00

The Wheel that Don't Break.

Send for Catalogue and Territory.

Tourist Cycle Co.,

SYRACUSE, N. Y.



"TRENTON" CYCLOMETERS ARE THE BEST.

MADE OF ALUMINUM.

Light, Strong and Accurate. Electrotypes supplied to the trade upon application.

TRENTON WATCH CO., Trenton, N. J.

DO YOUR OWN REPAIRING!

THE "FAMILY COBBLER"



Sample Outfit sent on receipt of $2.00.

A Household Necessity.

Contains the following articles: Iron Clinching Stand, with three reversible feet, Shoe Hammer, Shoe Knife, Pegging Awl and Handle, Large Bottle of Leather Cement, Large Bottle of Rubber Cement, Four Pairs of Heel Plates, Package of Pegs, Package of Heel Nails, Package of Clinching Nails for Men's and Boy's Work, Package of Clinching Nails for Women's and Children's work, and

THREE PAIRS OF HALF SOLES.

Securely Packed in wooden box with hinged lid. Weight 17 lbs.

No family can afford to be without one of these Outfits. Will pay for itself many times over each year.

For Sale By All Hardware and General Stores.

The Trade Supplied By Hardware Jobbers Generally, or by **BRANDENBURG & CO.,**

Sole Proprietors of the "Family Cobbler," the "Family Harness mender," the "Bonanza" Half Soles, etc.

CHICAGO, ST. LOUIS, KANSAS CITY, OMAHA, SIOUX CITY.

Agents Wanted. Send For Catalogue.

Sample Each, Cobbler and Harness Mender for $3.50.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Amesbury, Mass.—Eastern Cycle Mfg. Co. has been incorporated with a capital stock of $20,000, with W. H. Atwood as business manager.

Bennettsville, S. C.—The Bennettsville Hardware Co. has commenced business, and will take up bicycles.

Bradford, Pa.—The Bradford Cycle Co. has been incorporated, with a capital stock of $6000.

Camden, N. J.—The Brownie Bicycle Mfg. Co. has been incorporated with an authorized capital stock of $125,000.

Chicago, Ill.—The Barr Cycle Clothing Co. has been incorporated by Cyrus W. Barr, Julius Lang, Thomas W. Allison. Capital stock $5000.

Fond du Lac, Wis.—The United States Mfg. Co. has been incorporatod by J. E. Bean, F. J. Lang, and F. J. Reuping; to manufacture patented bicycle supplies. Capital stock $21,000.

Glens Falls, N. Y.—The Glens Falls Cycle Co., which is an offshoot of Glens Falls Buckboard Co., has been organized, and will manufacture the Mystic bicycle. Eugene Pearson, of Brooklyn, N. Y., will have charge of the manufacturing department.

Grand Rapids, Mich.—The Peninsular Bicycle Co. is the style of a new enterprise, the officers and stockholders of which are C. C. Follmer, James Grant, Edgar W. Ford, Chas. D. Harrington.

Henderson, Ky. — Morris, Lockett & White, bicycles, Hardware, etc., have commenced business.

Hudson, Mich.—The Bean, Chamberlain Co. has organized to establish a bicycle factory, and the necessary buildings have been secured.

Indianapolis, Ind.—The Mohawk Cycle Co. has been incorporated.

Jacksonville, Fla.—F. Bettelini is making arrangements to open an extensive bicycle exchange on Bridge Street. A rental business will be done. On the second floor will be a riding academy, and a repair shop will also be conducted.

Jacksonville, Fla.—Park Cycle Co., composed of J. M. Somerville and H. W. Ross, are opening a new bicycle store in the Opera House Block. Mr. Somerville is now in New York purchasing his stock. The new concern will handle the Bamboo Wheel.

Kenton, Ohio.—Columbia Carriage Works are establishing a bicycle factory in connection with their carriage manufacturing business.

Kingston, N. Y.—Wm. C. Crossby, in connection with the Kingston Carriage Co., is preparing to open a new bicycle and sporting goods store, January 1.

Marshall, Mich.—The Royal Cycle Works have been incorporated in the office of the Secretary of State.

Memphis, Tenn.—C. E. Martling, formerly manager Columbia agency, will open bicycle business in San Francisco, with C. S. Wells remaining as resident manager of the Oakland branch. An order has been placed for 750 Syracuse bicycles, the coast trade of which Mr. Martling will control.

Meriden, Conn.—The Torrington Chain Co. has been organized to manufacture bicycle chains.

Mexico City, Mex.—H. T. Roberts, bicycles, and agent for the Sterling wheel, has opened a repair department, and will take up a line of sundries.

Mitchell, S. Dak.—The Bruner Mfg. Co. has been incorporated with a capital stock of $20,000, to manufacture bicycles.

Nashville, Tenn.—The Phillips & Buttorff Mfg. Co. have been appointed distributing agents for the Halliday.

Newburgh, N. Y.—The Newburgh Cycle Co. have commenced operations, manufacturing a high grade wheel to be known as the Newburgh.

New London, Wis.—The Vineyard Wood Rim Co., of Chicago, is preparing to establish a factory at this place.

New York, N. Y.—The Davis Sewing Machine Co., of Dayton, O., has opened an Eastern branch at No. 70 Reade Street, with H. W. Packard as resident manager. A riding academy will also be opened by them at 57th Street and Broadway.

New York, N. Y.—Waltham Mfg. Co., of Waltham, Mass., manufacturers of the Orient bicycle, have opened New York salesrooms at No. 240 Broadway, with A. Stainfort as resident manager. This company's plant is being enlarged three times its present size, and the capital stock has been increased from $10,000 to $30,000, in order to largely increase the output of bicycles.

New York, N. Y.—The Durland Riding Academy, to give instructions in bicycle riding, and to deal in bicycles, has been incorporated, with a capital stock of $300,000, by Thomas E. Eckhard, Morgan J. O'Brien, William Durland, Chas. McBirney, Geo. W. Jenkins, Samuel O. Vanderpool, Austin M. Slauson, Walter J. Peck, and H. F. Gilburn.

New York, N. Y.—J. S. Barron & Co., at No. 141 and 145 Chambers Street, have become Eastern agents for the Davidson bicycle, manufactured by Davidson & Son, of Chicago.

North Indianapolis, Ind. — Horace L. Hewitt has given out contract for the erection of a bicycle factory to cost $8000.

Rochester, N. Y.—Bettys & Mablett Co. has been incorporated by Freeman H. Bettys, Phebe Bettys, George J. Heys, Agnes R. Mablett, Earle A. Anthony, and others, to manufacture bicycles, machinery and other specialties. Capital stock, $25,000.

Scranton, Pa.—John A. Hutchings, R. Johnson and Chas. Tracy are organizing a company to establish a bicycle factory at Wyoming.

Spring City, Pa.—Harry L. Lewis and John F. Frye will establish a bicycle factory, and have placed their orders for the necessary machinery.

St. Louis, Mo.—The Tidd-Rugg Cycle Co. has been incorporated with a capital stock of $8000. The incorporaters are: Arthur H. Woods, Emil Hendrich, Samuel H. Rugg, and Roy M. B. Tidd.

St. Louis, Mo.—The Knight Cycle Co. has been incorporated with a capital stock of $30,000.

Toledo, Ohio.—Frank H. Chapman is reported to be organizing a company for the purpose of manufacturing bicycles.

Toledo, Ohio.—The Central Chandelier Co. is preparing to manufacture tandem bicycles.

Toledo, Ohio.—The Maumee Cycle Co., manufacturers of bicycles, reported to have been incorporated.

West Liberty, Iowa.—Norris Bros., bicycles, Hardware, etc., are opening a new store in the Macomber Block.

Changes and Removals.

Fond du Lac, Wis.—Bean & Lang, manufacturers of cyclometers, have been succeeded by the United States Mfg. Co.

Kansas City, Mo.—The Central Cycle Co. is reported to be preparing to discontinue business.

Marion, Ind.—Allen & Halladay, bicycles, have been succeeded by Allen Bros. Co.

Moravia, N. Y.—Ames & Hunt, bicycles, sporting goods, etc., reported to have dissolved co-partnership.

San Francisco, Cal.—Cooper Cycle Co., A. E. Cooper retires.

San Francisco, Cal.—Frank R. Calder, bicycles, has removed from No. 701 North Third Street to larger quarters, corner Third and State Streets.

Springfield, Mass.—Cole & Gerald, manufacturers of the Greyhound bicycle, have accepted a proposition by the board of trade and will move their business to East Brookfield as soon as possible.

Toledo, Ohio.—Thos. D. Cochran has succeeded Frank H. Chapman as resident manager of the Columbia Bicycle Co.'s interests.

Trumansburg, N. Y.—The Morse Spring Co., manufacturers of roller joint bicycle chains, have changed the style of company to the Morse Mfg. Co.

New Goods and Improvements.

Flemington, N. J.—Stockton Bicycle Co. are about ready to put their '96 wheels on the market, and have just finished making their samples.

Freehold, N. J.—The Zimmerman cycle factory is temporarily closed for repairs. A new machine shop is being built.

Kansas City, Mo.—The Midland Cycle Co. are preparing to add a nickel-plating plant, and are otherwise increasing their capacity.

Seneca Falls, N. Y.—The Davis & Stevens Mfg Co., manufacturers of bicycle pumps, have commenced the manufacture of spoke nipples, and have added a nickeling plant.

Syracuse, N. Y.—The Syracuse Cycle Co. have purchased the large plant of Bradley & Co., and will equip it with machinery for the manufacture of bicycles.

Recent Fires.

Rushville, N. Y.—The shop and plant of the Rushville Wheel Co., damaged by fire, loss $2500.

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Cycles of the Highest Grade $100.

AGENTS WANTED.

WE are now making Cycles under our own name, and are prepared to supply the trade with our best. Our Wheel has all the latest improvements. . . . . .

See our Frame and Fork Construction.

IVER JOHNSON'S FITCHBURG,

THE IVER JOHNSON CYCLES

Charles J. Godfrey, General Agent for New York, New Jersey and Pennsylvania.

The Three Champions

1. Champion Single Guns by Name.
2. Champions by Reputation.
3. Champions for Fifteen Years.

There is only one

Champion Gun,

and We Make it.

We also make all kinds of

REVOLVERS.

Write for Descriptive Catalogue.

Arms and Cycle Works, MASS.

FOR SALE!

A LARGE MANUFACTURING PLANT.

Lately used as a Bicycle works. Large part of shafting and pulleys already in position, so that machinery could be attached and operations begun at once. Capacity, 15,000 Wheels per annum. This property, with water-power, is well adapted to many kinds of manufacturing purposes, and will be sold cheap. For further information, address

J AS. DICKSON, 98 4th Ave, Pittsburgh, Pa.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c.
Sheet Metal Punching and Nickel-Plating.



When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD BICYCLES

100.00
60.00
50.00
40.00

List Prices for 1896.

THE CRAWFORD MFG. CO.

BRANCH HOUSES:
New York, 70 and 72 Reade St.
St. Louis, 608 North 4th St.

Factory and Main Office:
HAGERSTOWN, MD.

New England Agents, Bigelow & Dowse Co., Boston, Mass.

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Yes.

Screen Doors are Cheap and Plenty Now,

But owing to circumstances over which people have no control, the supply may not be so great when the season comes on, and, in case of returning prosperity, the demand may exceed the supply, which, of course, does not tend to reduce prices. Then those who bought reliable goods of reliable concerns will pat themselves on the back and smile because of their foresight. Others will go about kicking themselves and scowling because a nickel prevented them from seeing a dollar. . . . . .

If you buy "Flyer" Window Screens

and "others," charging 5 cents more for the "Flyers," you will be likely to carry over the "others," and have to order more "Flyers." This was demonstrated last season, **So Don't Buy "Flyers."** They will surely get you into a "muss." The Lord knows there is trouble enough without buying things that prevent one from selling his "old plunder." However, it is well to keep posted on things that people "go crazy" over, and you may want some other product of the Phillips factories. It might not be imprudent to get a new catalogue from . . . . . .

The A. J. Phillips Co.,

FENTON, MICH.



Bissell Carpet Sweeper Co.

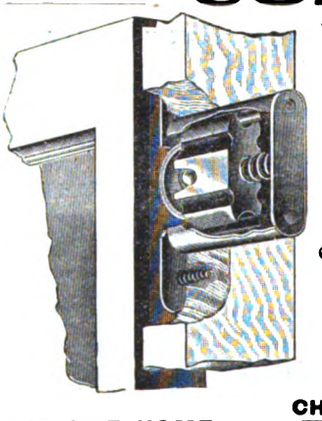
Largest Sweeper Makers in the World.

Factories and General Office,
Grand Rapids, Mich.

Eastern and Export Branch,
103 Chambers St., New York.

Write for Special CHRISTMAS Announcement. . . .

THE COLBURN Window Spring.



PATENTED.

Entirely new, simple, easily adjusted, practical, cannot break, and will last a lifetime. "You push the window, the little wheel and tension spring does the rest."

FOR THE HOME — **CHEAP**

Have this Spring put in your house. The cost is ½ less than weights and cord. You can easily and quickly adjust it to any window. It don't get out of order.

FOR HOTELS — **PERFECT**

This creates a revolution in window springs. Hotel windows raised or lowered with perfect ease.

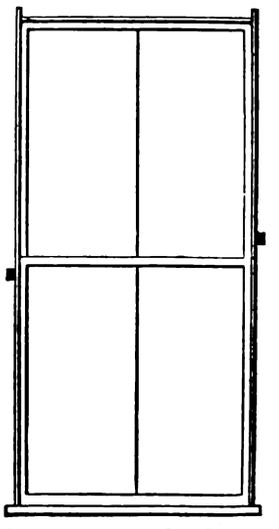
FOR R. R. CARS — **INDISPENSABLE**

Car windows opened with ease and held at any desired position: no unexpected dropping.

FOR INSIDE BLINDS — **INVALUABLE**

How easily you can manipulate a Venetian Blind when the Colburn Spring holds it.

SATISFACTORY.



Prices, $42.00 and $54.00 per gross.
A Liberal Discount to the Trade.

General Agent for United States. **E. A. WORTHEN, Burlington, Vt.**

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We are Wholesale Agents for

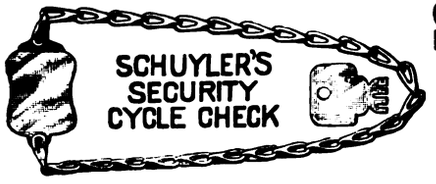
A. Featherstone & Co.'s

For prices apply to

A. M. SCHEFFEY & CO.,

92 Reade Street, New York.

Road King Bicycle.
Road Queen "
Duke "
Duchess "
Prince "
Princess "
Middy "
Midget "



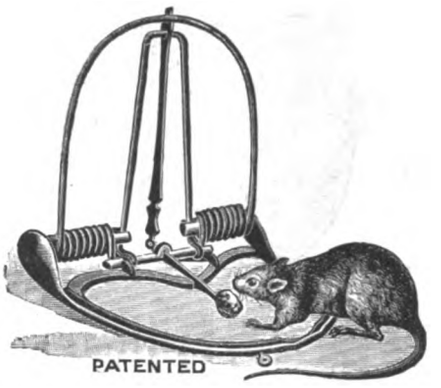
Handsomely Nickel Plated. Light and Strong.
Key fastens in lock when not in use.
The neatest and most secure Bicycle lock on the market.

Schuyler's New Rat Killer.

DO THEY SELL?

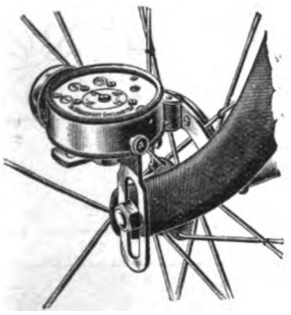
"The only traps that sell on their merit after being used. Send us five gross at once."
Builders' Hardware Co.,
New Orleans, La.

"In six days we sold 126 traps and could have sold 100 more if we could have gotten them."
Omohundro Hardware Co.,
Whitesboro, Texas.



Our traps are adopted and used by the U. S. Government, and by nearly every Museum of Natural Science in the United States and Europe. Easy to set—pull up the spring and it snaps in place. Folds for packing in handsome shelf boxes. Write for circulars and prices. If your Jobber will not furnish them write to us. **Remember, We pay the freight.**

J. R. SCHUYLER & CO., BLOOMSBURG, PA.



DING! THAT'S HOW THE BELL RINGS
On a Model "B"
BRIDGEPORT CYCLOMETER
At the end of every mile.

This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

Rings a Bell at Every Mile.
FULLY GUARANTEED.

Sold by all dealers at a low price. Discount to the trade upon application. Send for catalogue.

The Bridgeport Gun Implement Co.,
313-315 Broadway, New York.

A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

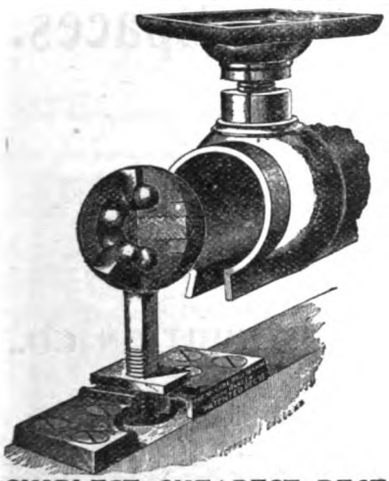
Our Tires Are All Right.

WE MAKE

Single Tube, Double Tube and Detachable Tires.

SPAULDING & PEPPERCO.,
Chicopee Falls, Mass.

McCABE BALL BEARING
DOOR HANGERS.
ENTIRELY OF STEEL.



SIMPLEST, CHEAPEST, BEST.

Adjustments above and below the track without removing the door.

After trying this you will use no other.

Send for catalogue or order a set at once and see why it is without an equal.

McCABE MANUFACTURING CO.,
532 to 542 West 22d St., - NEW YORK.

Once Tried
Always Ridden.

The Quincy

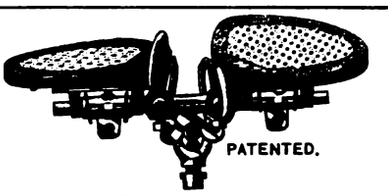
THE only wheel on the market that is guaranteed for **more** than one year. It has Tool Steel Bearings, Adjustable Bars, Swell Forks, Double Bridge Crown. Large Tubing, Horizontal Lines and Handsome Finish. . . . . .

The Quincy Perfection Tandem

Breaks All Records.

Send for Hardware discounts.

The Quincy Cycle Co.
QUINCY, MASS.



AN AUTOMATIC BICYCLE SEAT

that tilts in perfect harmony with the motion of the leg. It is in two sections, each independent of the other. It is the only seat that doctors say overcomes the defects and dangers of riding, such as chafing, numbness, and entirely relieves the sensitive parts.

Ask your Hardware dealer to show it, or send for particulars to the

Automatic Cycle Seat Co.,
Grand Rapids, Mich.

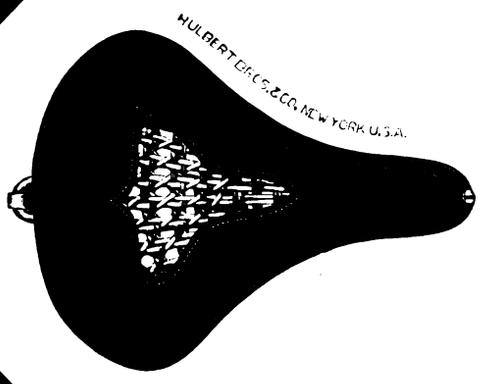
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A MARK OF SUPERIORITY IS THE

MESINGER SADDLE

Everyone will know, that, when a bicycle is fitted with the Mesinger Saddle, it costs more than with an ordinary one; and that it is much -:- -:- -:-

BETTER.



It costs a litte more, but! ! !

Weight, 10 ozs. Price, $4.00.

Liberal Discounts to the Trade.

Rattan first to make the seat firm but elastic; then felt to soften; then leather to waterproof and make durable, and a V shaped aperture cut through both felt and leather to relieve any injurious pressure.

Sample sent on 10 days' approval at our expense.

Hulbert Bros. & Co., 26 West 23d St., New York City.

MANUFACTURERS

Firearms, Majestic Bicycle, Sundries and Sporting Goods.

THE CHICAGO CYCLE SHOW

AT TATTERSALL'S

under the auspices and sanction of The Board of Trade of Cycle Manufacturers.

January 4 to 11, 1896.

Enormous Auditorium.... Over 300 Exhibition Spaces.

The same careful attention that marked last year's show will be paid to the interests of visiting agents.

REDUCED RATES ON ALL RAILROADS.

For further particulars, address:

THE NATIONAL CYCLE EXHIBITION CO.,

334 DEARBORN ST., CHICAGO.

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The Liberty

Makes the BEST line of

BICYCLES

for Hardware Dealers to handle

Because their reputation is so great as to need no introduction to the probable customer. They have stood the test, and have gained for themselves the SOBRIQUET . . . . . .

"America's Representative Bicycle."

Responsible Hardware Dealers can make arrangements to represent the Liberty in unoccupied territory. . . . . .

Address all communications to

The LIBERTY CYCLE CO.,

4 Warren Street, New York.

THE highest stage of the art in Bicycle construction is represented by the

Ben Hur

Four Superior Models, $85 and $100.

The agency for **Ben Hur Bicycles** is a valuable asset to the Hardware Trade, and we are prepared to make liberal inducements to responsible parties. Our famous name plate is a guarantee of excellence.

Central Cycle Mfg. Co.,

9 Garden St., Indianapolis, Ind.

ZENITH CYCLE CO. BINGHAMTON, N.Y. U.S.A.

HIGHEST GRADE IS THE

ZENITH

Large Tubing, Large Hubs, and Large Balls. Tool Steel Bearings, Absolutely Dust Proof. Reversible Handle-Bar. Narrow Tread. Easily Detached Cranks, Simple and Strong. . . . . .

ZENITH CYCLE CO. BINGHAMTON, N. Y.

Now is the time to write us for Advance Sheet. We want Agents everywhere. . . . . .

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

Liberal Discounts to Dealers Send for Catalogue.

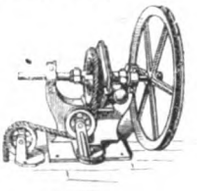
ENERGY MFG. CO.,

1223 S. 15th Street. PHILADELPHIA.

THE COLUMBIA SAFETY.

Self-Retaining

Dumb Waiters



Elevators,

Cellar Lifts and Speidel's Safety Hoists. . . . . .

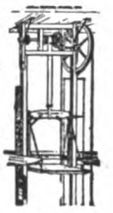
Manufactured by

Speidel & Roeper,

Send for Catalogue. READING, PA.

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

Dumb Waiters..... that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

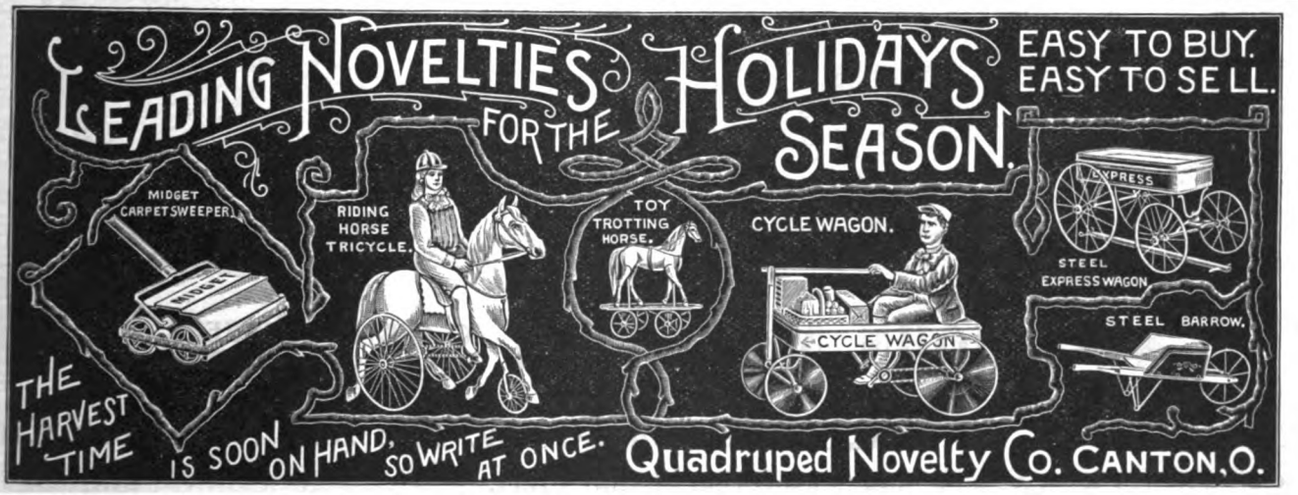
THE STORM MFG. CO., Send for catalogue. NEWARK, N. J.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

BROAD GAUGE IRON STALL WORKS, 53 Elm Street. Boston, Mass.



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1896

Lovell Diamond Bicycles.

STRICTLY HIGH GRADE.

$100.

Lovell Excel Bicycles,

MEDIUM PRICE.

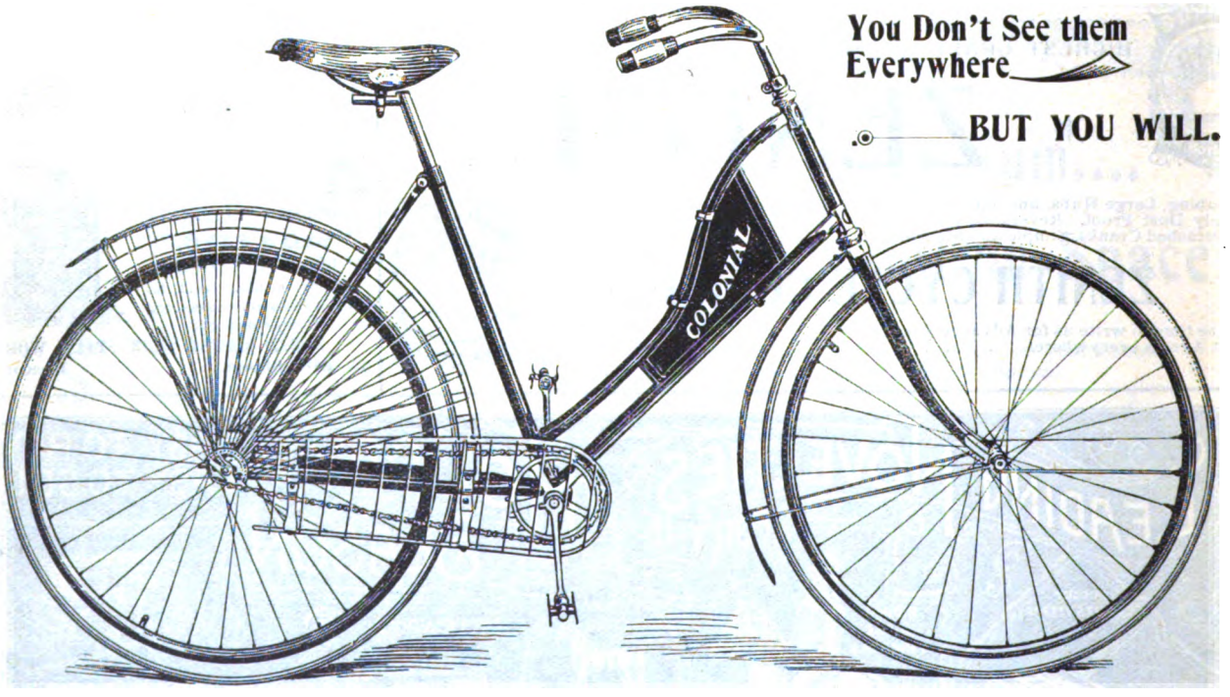
$40 to $75.

APPLY NOW FOR '96 AGENCY.

John P. Lovell Arms Co.,

BOSTON, MASS.

The Colonial Recognized as the SOCIETY WHEEL.



JOHN McCLAVE & SONS, MAKERS,

602-604-606 W. 22d ST., New York City.

Salesroom, 371 Fifth Avenue, Southeast corner of 35th Street.

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Our 1896 Jobbing Line is now ready.

Our Defiance or jobbing line of bicycles, including 24, 26 and 28 inch wheels for both children and adults, is ready for inspection, and our travelers are now on the road. Defiance bicycles are made of the very best bicycle material, by the most skilled bicycle mechanics, in the finest equipped bicycle factory in the world. They are strictly up-to-date, and in beauty of design and finish, in lightness, strength and speed, they are particularly prominent.

DEFIANCE

bicycles are made by the makers of the Monarch, the best bicycle in the world, which is sufficient guarantee of their excellence. We invite correspondence from dealers and jobbers. As we have already closed several large contracts, and are daily closing others, delays are dangerous. Our largely increased manufacturing facilities will enable us to make prompt delivery, a most important consideration, as many dealers who contracted with small manufacturers for this season's trade know to their sorrow.

Monarch Cycle Mfg. Co.,

Lake, Halsted & Fulton Sts., Chicago, Ill.

DO YOU SELL WHEELS?

If Not **WHY NOT?**

There is money in it if you are Agent for the right Wheel. In this connection we wish to say the

WHEELER

Price, $85.00

Is one of the very best High Grade Wheels in the market. It is strictly high grade in every particular, and contains more points of excellence than any other wheel offered to the trade. Our Patent Detachable Crank Shaft is by far the best thing out and will sell on sight. You will make the mistake of your life if you fail to investigate the merits of the WHEELER before placing your order for '96 wheels. Our Catalogue will soon be out and we would like to mail you one.

Write us for discounts.

Secure Agency Now!

The Defiance Bicycle Co.,

Defiance, Ohio.

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Syracuse Cycles Spin to Win.

Keep Yoar Eye on the Crimson Rims.

FOR THE

HARDWARE TRADE IN PARTICULAR

Have we purchased our lines of Bicycles for 1896. Having particularly in view a desire to secure good agents in the most legitimate channel (which we belic ve to be the hardware store) we have closed contracts for makes of wheels that cannot fail to be sellers.

Our Leader

The

SYRACUSE

An Unequaled High Grade Wheel.

The Easiest Sold.

Distinctive Features.

THE BEST ADVERTISED WHEEL IN THE WORLD.

9 MODELS.

We will also Represent in the East, the

NATIONAL SEWING MACHINE CO'S. LINE

The ELDREDGE

The BELVIDERE

High Grade, Right in Price, Elegant in Finish.

Also Wheels Specially Manufactured under Our Own Brand

THE VALIANT. ✳ THE GIRARD.

Both Comprising All Up-to-Date Improvements.

Prices Right for the Masses.

JUVENILE WHEELS, SUNDRIES.

We want live hustling agents.

Write for Catalogue and Prices.

SUPPLEE HARDWARE CO.

PHILADELPHIA, PA.

Syracuse Agents are Happy People.

Syracuse Cycles Sell Themselves.

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HARDWARE vs BICYCLES.

Hardware Dealers who add Bicycle Departments to their stores are progressive. Those who stock their departments with Remingtons may count upon success. . . .

Remington Bicycles

'96 Models.

are popular with both dealers and riders. The line is complete, including roadsters, tandems, racers and juvenile wheels. . . . . .

In our new models everything has been considered but Cost.

They are the finest experience can produce that money can purchase.

Dealers are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation

Agents Wanted in Unoccupied Territory.

REMINGTON ARMS COMPANY,

Factories: Ilion, N. Y. **313-315 Broadway, New York City.**

THE Dayton Bicycle

Is in every respect. . . .

Style, Material and Workmanship,

at least the equal of any "SPECIAL" wheel in the market. . . .
It is admitted by all who have critically examined it to be the **EASIEST RUNNING** wheel made and . . . . . .

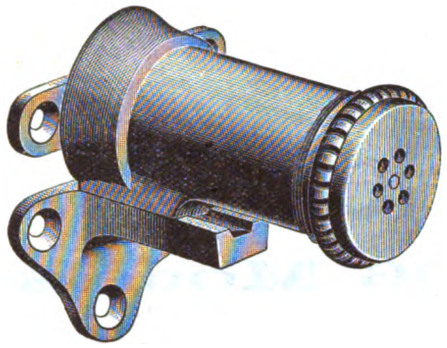
THE WHEEL FOR 1896.

The Davis Sewing Machine Co.,

Apply NOW for territory. **76 READE STREET, NEW YORK.**

The Dayton Bicycle received Highest Award at Atlanta Exposition.

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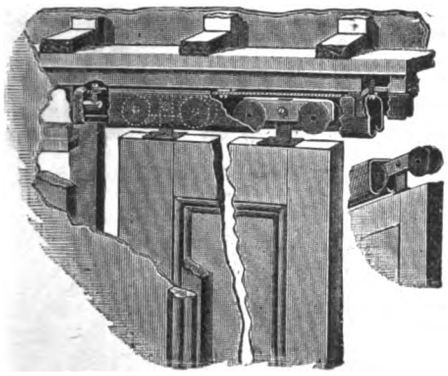


It will pay any Hardware merchant to sell the **Eclipse Check and Spring** this season. For Simplicity, Durability, Utility and Cheapness there is nothing to equal this well-known appliance for closing doors noiselessly. Easy to put on, easy to keep in order, profitable to the dealer. Send for our new booklet showing advertising matter that we can furnish.

Sargent & Co., Manufacturers,
New York and New Haven, Conn.



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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

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Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.



McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.



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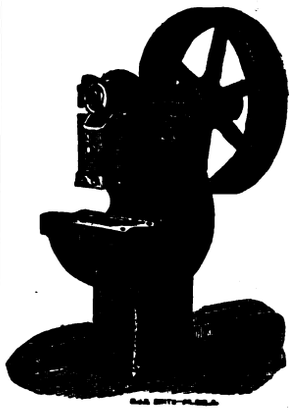
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BEST IN THE WORLD.

"Gem" Clover Cutter. The $5 Shell and Corn Mill. Farm Feed Mills, Powder Mills.

Send for circular and testimonials.

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The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
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Special and Automatic Machinery Dies for all classes of work in sheet metals.

Write for Catalogue and prices.

Our Handsome Illustrated Catalogue Just Out.

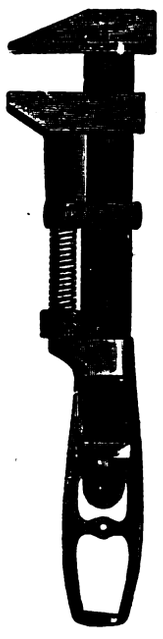
Gladly sent on application.

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Manufacturers of

WOODENWARE,

RICHMOND, VA.



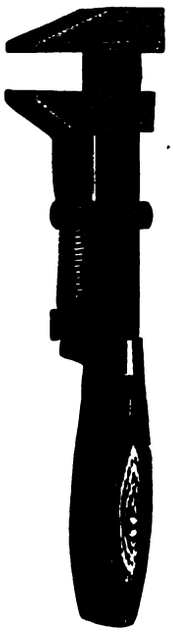
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Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.



MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839.

Registered March 31, 1874.

Patented July 6, 1880.

Patented July 8, 1884.

Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
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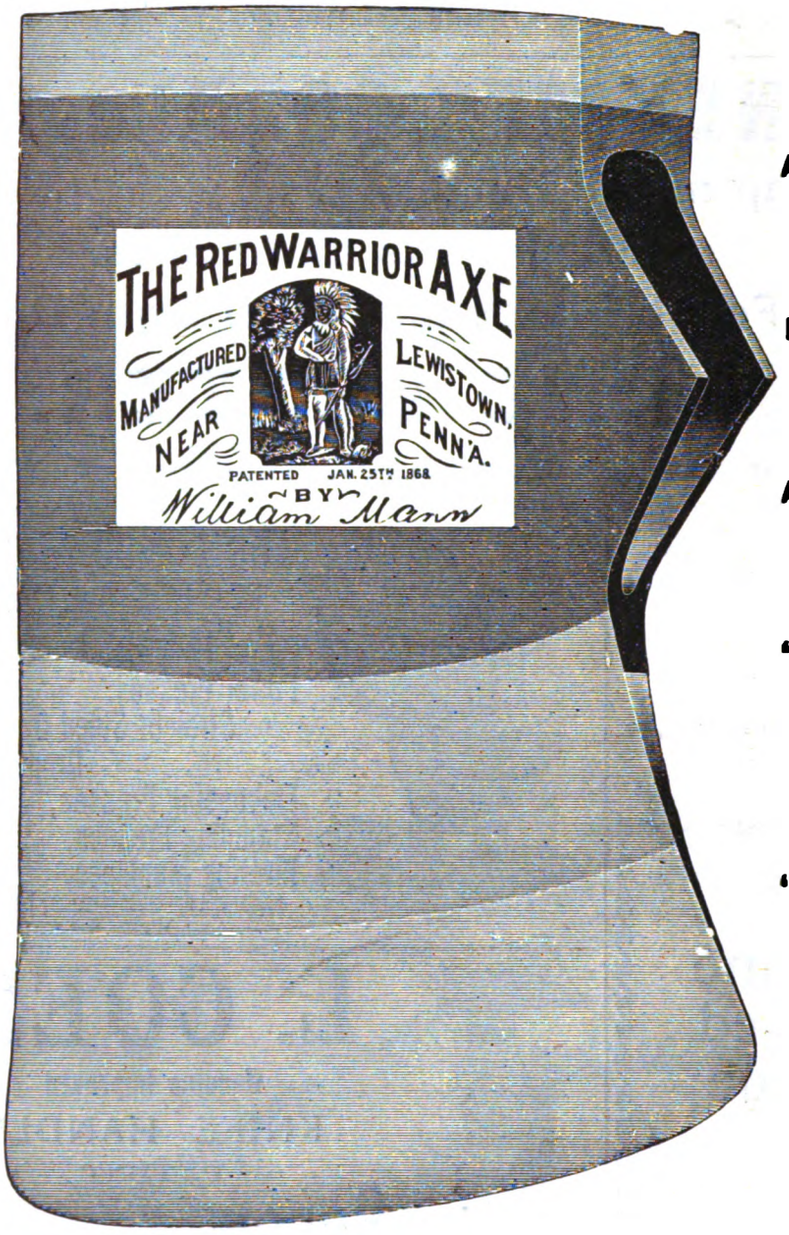
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- - Telephone Number, 1023 Cortlandt. - -

253 BROADWAY, - NEW YORK.

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ADZES,
also
"BLOOD'S"
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and
"HUBBARD'S"
DIAMOND
BLADE
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Beware of Imitations!

The name **WILLIAM MANN** appears on all genuine Red Warrior Axes.

Grass Hooks, Corn Knives, Bush Hooks, Ice Picks, Ice Axes, Ice Hatchets and Firemens' Axes, Wood Chisels, Picks, Mattocks, Brick Hammers, Box Openers, Ice Chisels, Butchers' Handled Axes, Meat Hatchets.

ALWAYS IN STOCK.

Best Leading Brands of Axes and Edge Tools. Cheap Handled Axes. Medium Grade Axes. Boys' and Hunters' Axes.

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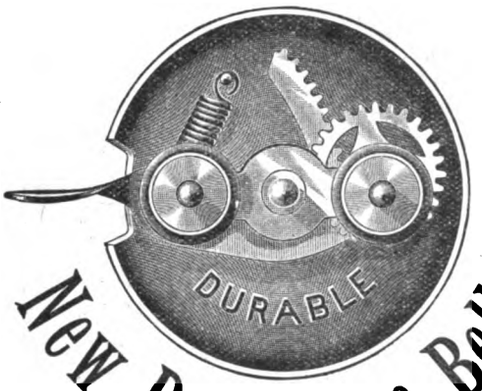
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Why Sell Inferior Goods



FIFTEEN STYLES
RETAILING
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1896.



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When the Best Cost so Little?



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THE WIDE WORLD OVER.

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Selling Agents,
113 Chambers Street, - NEW YORK.

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PROMPTLY PROSECUTED.

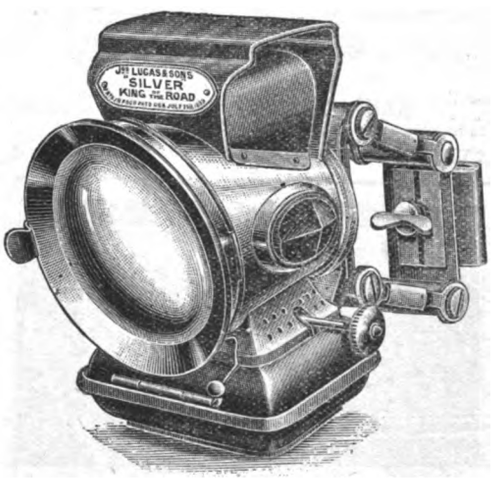
THE NEW DEPARTURE BELL CO.,
Sole Manufacturers,
BRISTOL, CONN., U. S. A.

Why grope your way
When the "SILVER KING" turns night into day?

Lucas Silver King of the Road Lamp

BEST IN THE WORLD.

The SILVER KING will be the Handsomest and Best Light giving Lamp in the market for 1896.



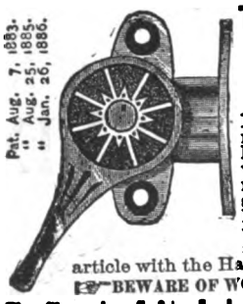
The SILVER KING is the only Lamp with Patent Lens Reflector which not only improves the light but keeps the Reflector Clean.

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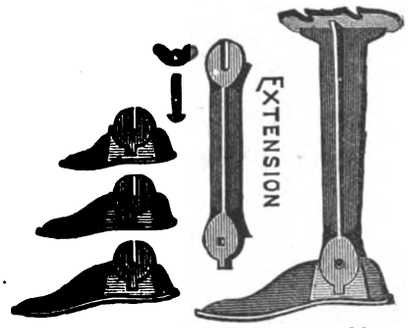
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Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

We make more Iron Lasts and BETTER ONES



ROOT'S LASTS AND EXTENSION STANDS.
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than any firm in America, and that's why we can furnish them at lowest possible prices. Drop us a card and see if we can't.

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House... ...Goods Supplies.

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Send business card and mention "Hardware."

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White Enamel Finish.

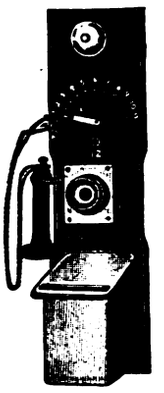
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CRANE BROS., Linenoid Manufacturers
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Linenoid Pin Tray Free.

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For Your . . .

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Stores,
Offices
and
Exchanges.



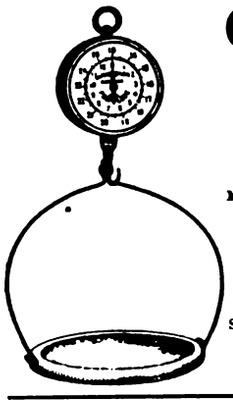
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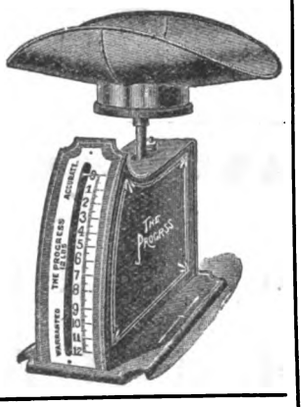
133-139 So. Clinton St.,
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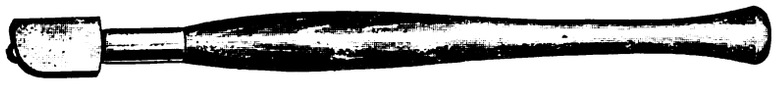
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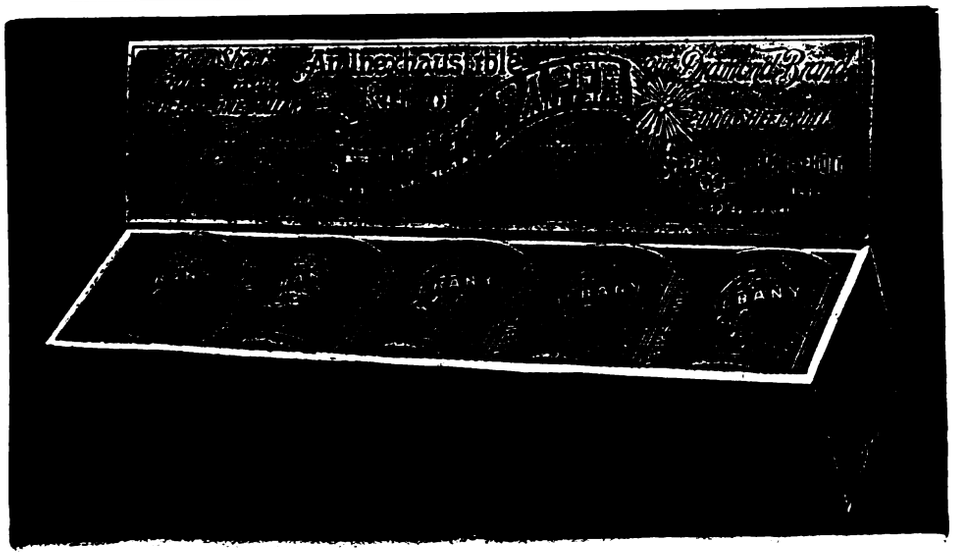


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Our 1896 Catalogue

Will be Interesting. Full of Good Things . . . . .

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Send us your name.

Stanley & Patterson,

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MYERS REVERSIBLE STEEL & WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



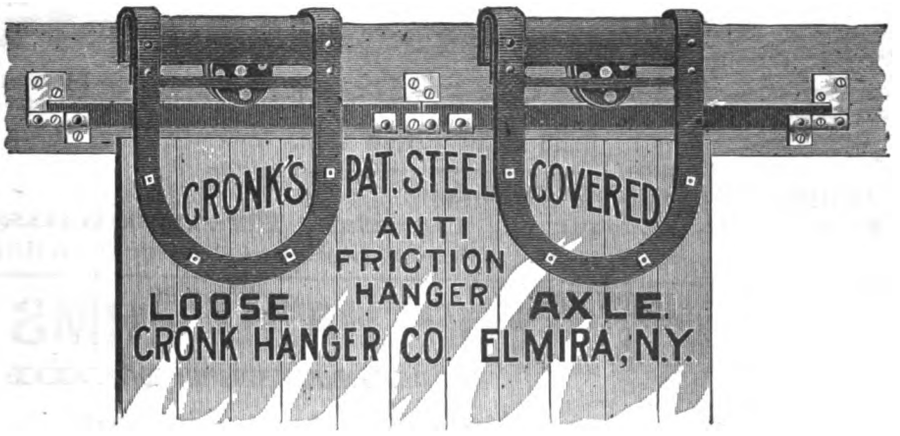
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Simple, durable, powerful, easy to operate never affected by frost. Patent GLASS VALVE, will never corrode. Ask your dealer for our goods. Write for catalogue.

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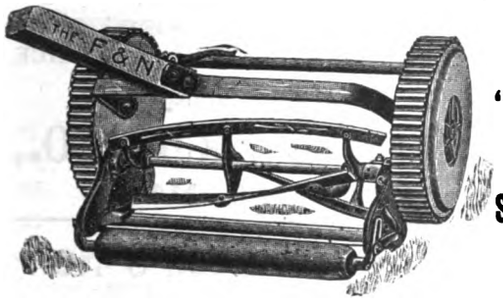


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—Manufacturers of—



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"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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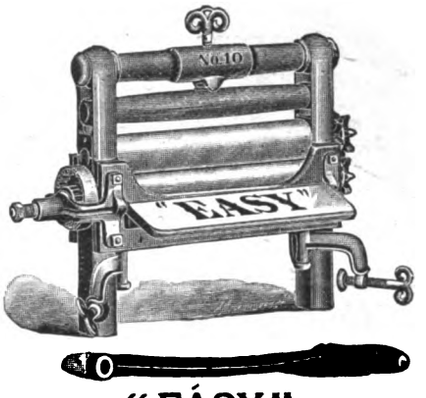


COKE, COAL, COTTON SEED, VEGETABLE AND STONE FORKS.

TRY THEIR DIAMOND BRAND FORKS,

WHICH ARE UNEQUALED.





"EASY" Clothes Wringer.

BLAIR MFG. CO.,
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Write for prices.

POINTS COUNT.

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TWO PATENTS FOR SALE.

Two Valuable Patents. One the Gokey Grinding and Calk Sharpening Machine. Money in this. Also three States for the Woodward Combination Carriage and Cradle. This also is No. 1. This is a great chance for smart man. Write for description and then hustle. Not often such a chance as the above.

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Burlington, Vt



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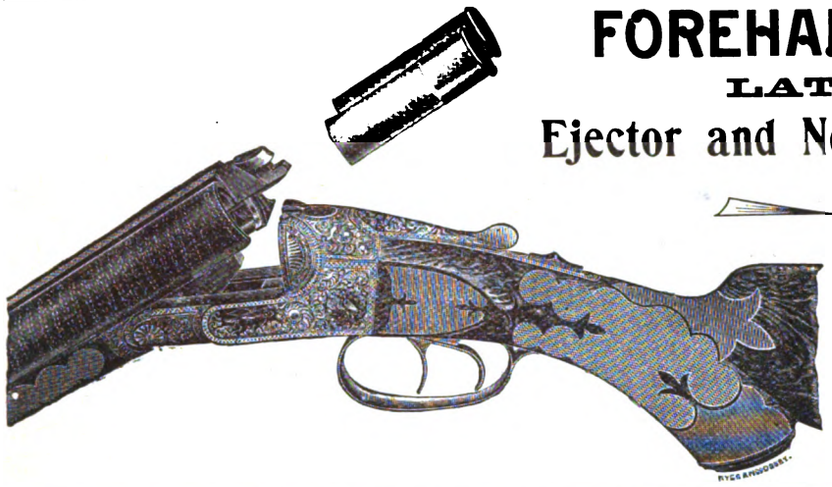
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FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
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WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
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THE PARKER GUN A WINNER.

The First Prize at Grand American Handicap, April 5, 1895, was won with a PARKER GUN.



Also First and Second at Interstate Handicap, Pittsburg, 1895.
ASK YOUR DEALER FOR A PARKER.

The PARKER is unexcelled in perfect construction, beauty of finish, symetrical lines and Shooting qualities.

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The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-.65 Remington, and .38-.55 Marlin and Ballard. Made to order only.





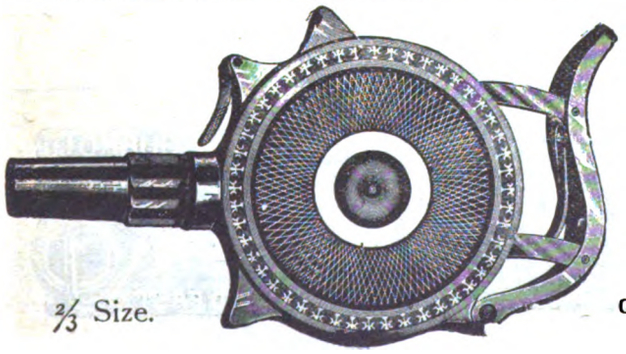
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Ten Styles.

Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

REMINGTON ARMS CO.,
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"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge. No. 32, extra short, rim fire.

Prices and discounts upon application.

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GEO. J. WELLS, Agent.
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I am now making four sizes and prices of Faucet Filters instead of three.

A 1, $4.50 per doz.
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BEST AND CHEAPEST
STONE WATER FILTER
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Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



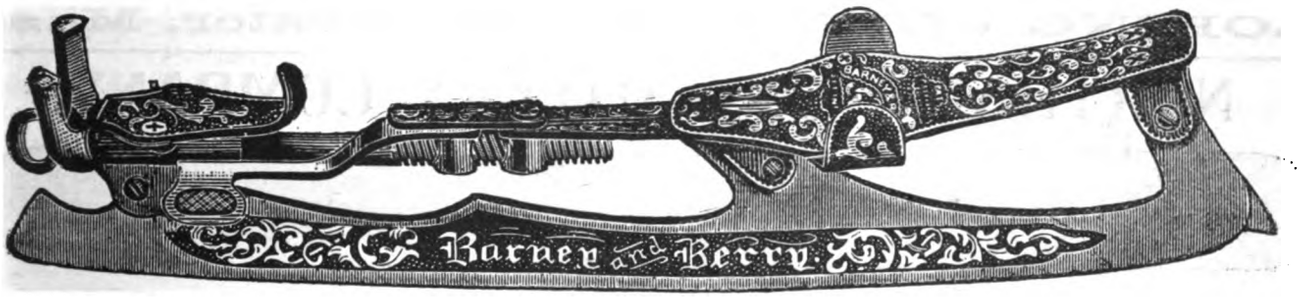
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F. H. WEEKS, - AKRON, O.

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The above cut shows our Expert skate, made also in various styles of fastenings, and to special rock and thickness of blades. Each pair made to order with purchaser's name or other words etched on blades. An elegant present at any time, but particularly applicable for the Holidays. . . . . .

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ICE AND ROLLER
SKATES
WORCESTER, MASS.

CATALOGUE FREE.

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PAPER SHEAR KNIVES of every style and shape.

METAL SHEAR BLADES, to any machine.

If you want the BEST KNIFE, BEST WORK and A FULL WARRANT, write to

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

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96-98 Reade Street.

CORPORATE MARK,

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—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

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Established 1836.

ALFRED FIELD & CO.,

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HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

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JOSEPH RODGERS & SONS, Limited,	Best Cutlery in the World.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	Horse and Toilet Clippers.
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L. HUGONIOT TISSOT,	Fine French Plyers and other small tools.
ISAAC GREAVES,	Sheep and Garden Shears.
W. K. & C. PEACE,	Grass Hooks, Scythes and Straw Knives.
R. & J. LINACRE,	Grass Hooks, Sickles, etc.
WEBSTER & HORSFALL,	Piano and Steel Wire of all descriptions.

Proprietors of following brands of Cutlery:

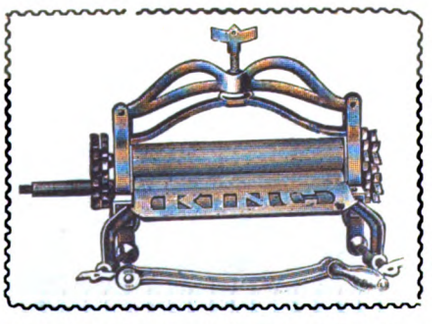
Alfred Field & Co., Parker & Field, Progress, Criterion, Branford Cutlery Co., Continental Cutlery Co., Waltham Cutlery Co, Alexander Frazer & Co., Jones & Co

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WOOD AND IRON FRAME WRINGERS.

HIGH GRADE, WARRANTED.







Before placing FALL ORDERS write us for our PRICES and TERMS.

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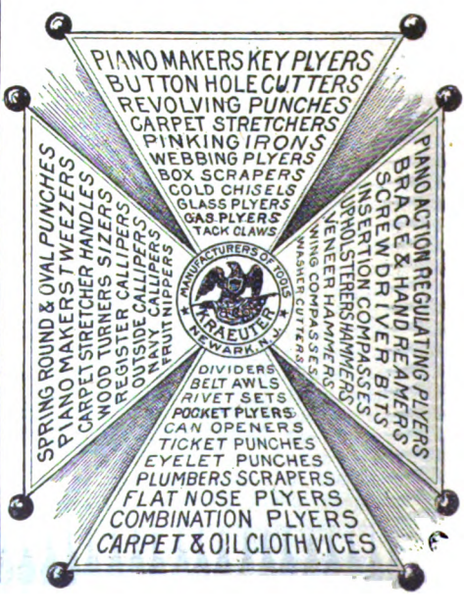
SKATE GRINDING MACHINERY

WILL GRIND HARD SKATES OR SOFT.

IMPROVED FOOT POWER GRINDERS.

Prices Reduced.

Charles Perkins, Bridgewater, Mass.



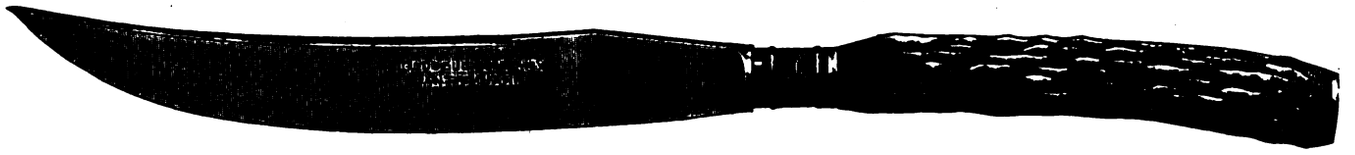
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ONE REASON WHY

Our business has grown out of all proportion to any other manufacturer of

CUTLERY IN THE U. S.

Is that while our goods are unsurpassed in finish and general appearance our special aim has been to adapt them to the purpose for which they are to be used.



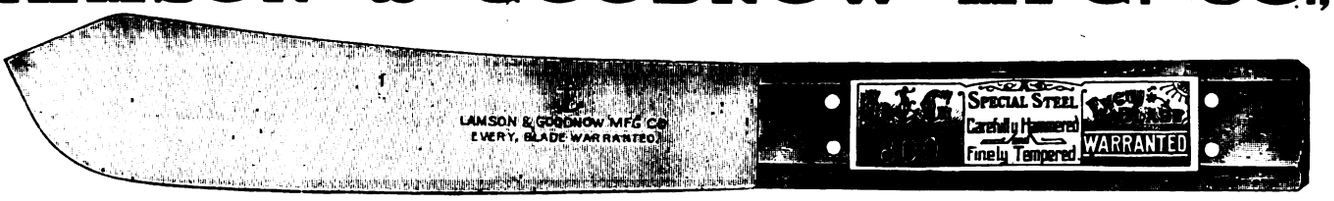
In the matter of Carvers, your customer wants a Knife to cut with as well as to look at. All our Carver blades are made from carefully tested Butcher Knife Steel. They take and hold a fine cutting edge.

We also make Table Knives, Butcher Knives, Shoe Knives in great variety. All fully Warranted.

AGENTS: { ALFORD & BERKELE CO., 77 Chambers Street, New York.
HENRY KEIDEL & CO., 25 Hanover Street, Baltimore, Md.

GOODELL COMPANY, - - Antrim, N. H.

LAMSON & GOODNOW MFG. CO.,



Manufacturers of Fine Cutlery, Butcher, Druggists' and Painters' Knives, Celebrated Anchor Brand Carvers, etc.

FACTORY AND OFFICE, Shelburne Falls, Mass. NEW YORK, 310 Broadway. SAN FRANCISCO, 132 Market Street.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

SEND FOR CATALOGUE.

"DUPLEX" WROUGHT BUTTS.

Double Thicknesses of Cold Rolled Steel and Wrought Bronze
STEEL PINS, BALL TIPS, STEEL BUSHED.

They are better than the ordinary kinds.

Manufactured only by

READING HARDWARE CO., READING, PA.

NEW YORK, 96 & 98 Reade St. PHILADELPHIA, 617 Market St. CHICAGO, 73 Wabash Ave.

DAVID EASTMAN, President. WALTER RANDALL, Secretary. JAMES R. BRINSMADE, Treasurer.

THE DERBY RAZOR CO.,

MANUFACTURERS OF THE

Eastman Razors, Razor Strops & Safety Razors.

MADE OF A SUPERIOR STEEL AND TEMPER FULLY WARRANTED.

Factories: Derby, Conn. **New York Office: 64 Reade Street.**

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."



GENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD,"
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS

BUCK'S HEAD.



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Our Latest is the Ormonde



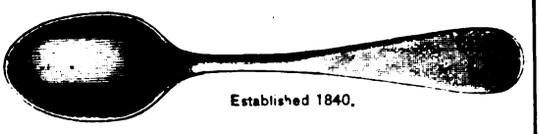
And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

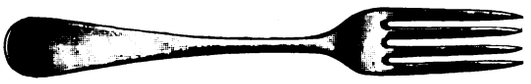
HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

No. 21. NICKEL SILVER SPOONS AND FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00



SUBJECT TO SPECIAL DISCOUNT. Bears the Trade Mark "HE Nickel Silver, No. 21."

MADE ONLY BY

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

SEASONABLE GOODS FOR WHICH WE ARE AGENTS:

P. Lowentraut's Ice Skates,
Oliver Ames & Sons' Steel Snow Shovels,
Saugatuck Mfg. Co.'s Wooden Snow Shovels,
G. W. Bradley's Heavy Sidewalk Chisels.

SICKELS, SWEET & LYON,

Wholesale Hardware and Farming Tools.

Office, 35 Barclay Street. *Warehouse, 40 Park Place, New York.*

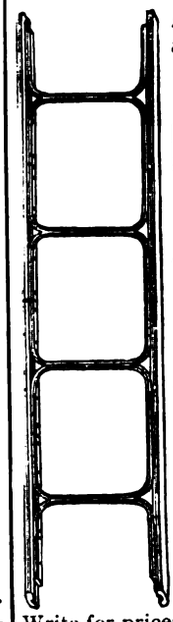
NEW YORK AGENTS FOR

WINSLOW SKATES, Union Steel Screw Co., Eagle File Co.

Farming Tools sold for New York or factory shipments.
Fall Catalogue No. 10 issued in September.

Also SICKELS, PRESTON & NUTTING CO., Davenport, Iowa.

If you want to live



A long life free from accidents . . . .

You will buy the

Patent Bent Rung Ladder

They are the

Strongest and Lightest Ladder on Earth.

A six-foot single step ladder will carry 700 pounds, and a double step ladder 1,000 pounds. A boy can take down and put up a sixteen-foot extension ladder. A man can hold an eighteen-foot ladder out at arm's length in one hand. Our step ladders will not come apart or break. They are made to last forever.

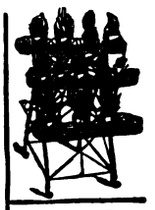
Write for prices and discounts.

Indiana Ladder Company,
INDIANA, PA.

JONES
Folding Plant Stands
Durable Strong and Compact

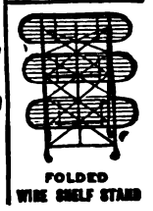
Can be opened or folded at once. Made of Steel and Wire with wire or wood shelves.

PRICE EACH		
2 Step	Wood Shelves	2.00
3 "	" "	2.50
2 "	Wire "	3.00
3 "	" "	3.75





OPEN WOOD SHELF STAND FOLDED WOOD SHELF STAND



FOLDED WIRE SHELF STAND

Patented Oct. 1, 1895.

Send for illustrated list, just out.

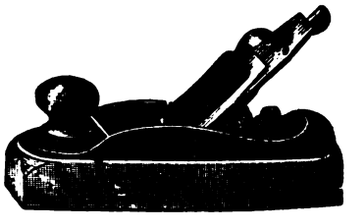
M. D. JONES & CO.,
368 Washington St., Boston, Mass

IMPROVED
Tack, Shoe and Wire Nail MACHINERY,

KIMBAL BROS. & CO., Mfrs.,

Send for Prices. BROCKTON, MASS.

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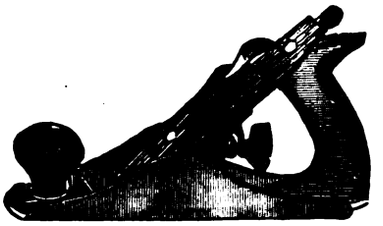


THE SAMUEL I. GOODALL CO.,

MANUFACTURERS OF

Bailey Pattern Planes, Try Squares Bevels, Etc.

Philadelphia, Pa., U. S. A.

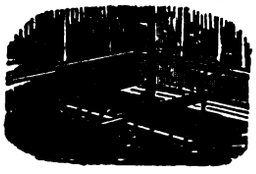


Camp's SUCCESS ANIMAL POKE



The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER



and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

ESTABLISHED, 1835. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

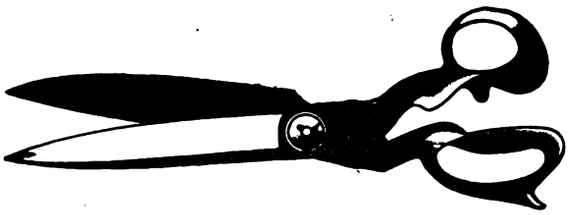
CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



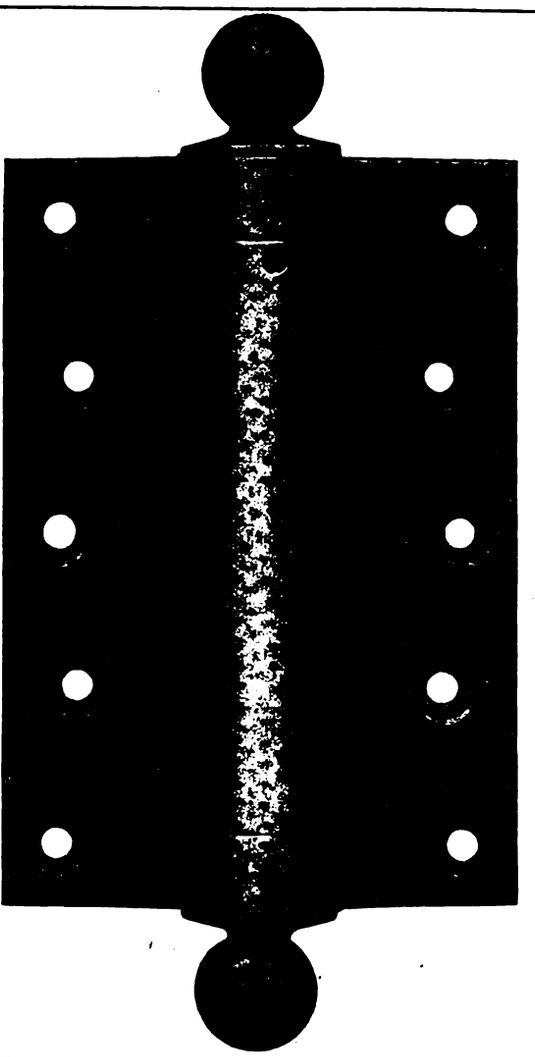
They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.





NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

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Underhill, Clinch & Co., New York, 94 Chambers St.
New York, 82 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

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THE WM. SCHOLLHORN CO.,

New Haven, Conn.



"Star" Straight Trimmer (Oval Pattern).

MANUFACTURERS OF

The Celebrated "Star Brand" Shears and Scissors, and "Elm City" Shears in large variety.

ALSO MANUFACTURERS OF

Bernard's Parallel Pliers

In all styles and sizes for various purposes.

"BEST QUALITY ONLY."

Pocket Cutlery

OF THE

Finest Quality

FOR THE HOLIDAY TRADE.



An excellent variety of Aluminum Handles beautifully engraved.

Write for List and prices.

TRADE UN★X★LD MARK.

NORTHFIELD KNIFE CO.

NORTHFIELD, CONN.

STANDARD FIBER-WARE COMPANY. STANDARD TRADE MARK. MANKATO, MINN.

WE PAY THE FREIGHT.

Instead of trying to crowd our goods upon an unwilling market the past two years, we have been working for better processes—to make **better goods for less money**, and now "we have got there with both feet." Our **pails are larger** than other makes, yet **cost no more.** Made of **strong fiber, wound, and steel bound,** they don't split open, nor chip off at edges. They have a **chime** you can **catch on to,** and a truss bottom that don't warp, loosen or **leak.**

All "Standard Pails, Slop Jars, Spittoons, Wash Basins, etc., are **water-proofed** and **indurated throughout** by our newly applied process, and **are absolutely unsoakable.**

An **Ebony enamel,** hard and smooth, gives "Standard" ware an **attractive** appearance, and a **durable** finish. **Scores of families** in every county will use it largely if it can be got "at the store." **Do you want their trade?** Lots of 100 lbs. or more, delivered f. o. b. cars, at their depot, to all responsible dealers.

At Last We've Got "'Em," SHARPENERS THAT SHARPEN!

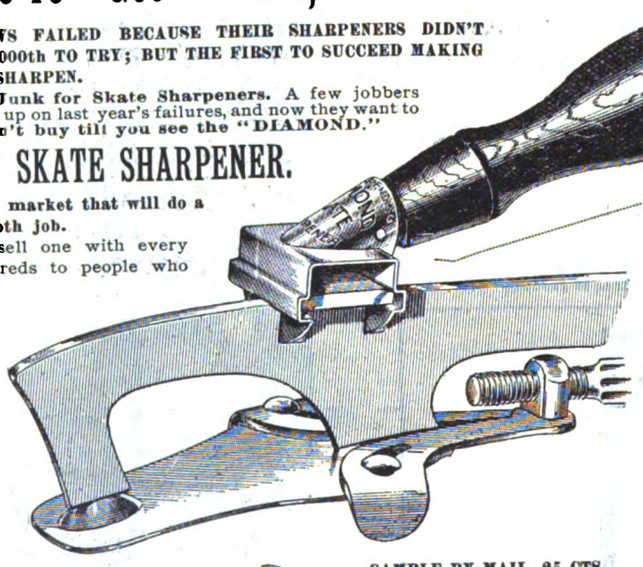
THE OTHER 999 FELLOWS FAILED BECAUSE THEIR SHARPENERS DIDN'T SHARPEN. WE ARE THE 1000th TO TRY; BUT THE FIRST TO SUCCEED MAKING SHARPENERS THAT WILL SHARPEN.

Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "DIAMOND."**

THE "DIAMOND" SKATE SHARPENER.

The only Sharpener on the market that will do a clean, smooth job.

HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.



All our Sharpeners are elegantly nickel-plated and packed one dozen in a box.

SAMPLE BY MAIL, 25 CTS.

SOMETHING ENTIRELY NEW!

Every Boy Sharpens his own Skates.

See that Pivot!

Fits the Curve of any Skate.

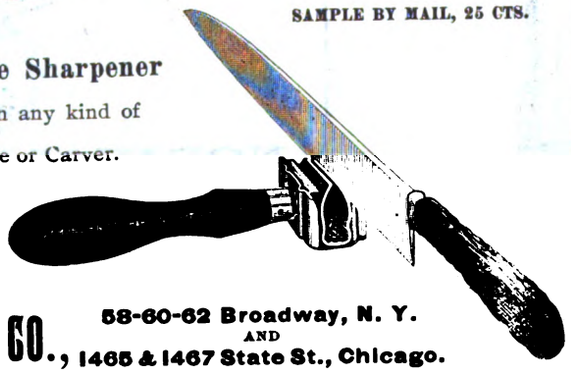
For Sale by the Following Wholesale Hardware Houses:

Dame, Stoddard & Kendall, Boston.
Russell & Erwin Mfg. Co., Sickels, Sweet & Lyon, } N. Y. City.
Logan, Gregg & Co., Pittsburg.
The W. Bingham Co. The Geo. Worthington Co., } Cleveland.
Freeman, Delamater & Co., Buhl, Sons & Co., } Detroit.
Hibbard, Spencer, Bartlett & Co. Wells & Nellegar Co., } Chicago.
Simmons Hdw. Co., St. Louis.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.
Rector & Wilhelmy Co., Omaha.
Farwell, Ozmun, Kirk & Co., St. Paul.
John Pritzlaff Hdw. Co., Milwaukee.

The "Diamond" Knife Sharpener

Puts a **keen, lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.

SAMPLE BY MAIL, 25 CENTS.



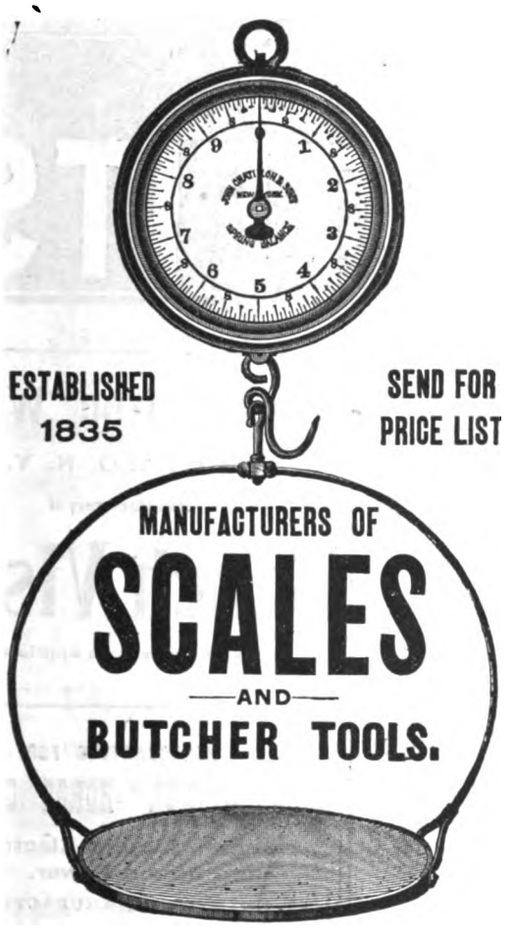
Write for Descriptive Circular with Prices and How to Advertise Your Business Free.

DIAMOND CUTLERY CO., 58-60-62 Broadway, N. Y. AND 1465 & 1467 State St., Chicago.

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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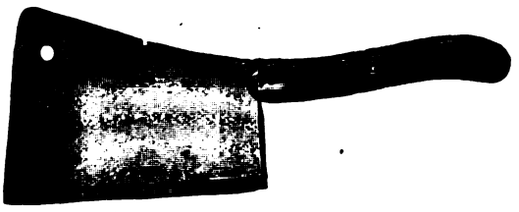
MANUFACTURERS OF

SCALES

—AND—

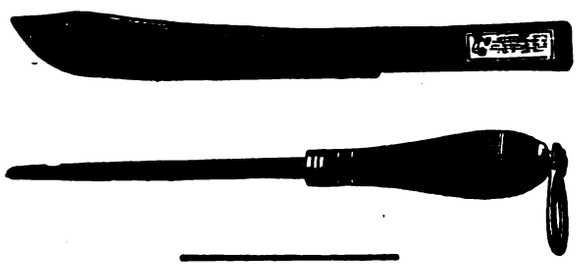
BUTCHER TOOLS.

SOLE AGENTS FOR



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BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

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F. J. KINGSBURY, President. M. L. SPERRY, Secretary.
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Scovill

Manufacturing Company,

(Established A. D. 1802.)

WATERBURY, CONN.

DEPOTS:

423 Broome St., New York. 210 Lake St., Chicago.
84 Summer St., Boston.

MANUFACTURERS OF

BRASS.
Sheet Brass, Brass Wire, Brass Tubing.

GERMAN SILVER.
Sheet German Silver, German Silver Wire, German Silver Tubing.

BUTT HINGES.
Narrow, Middle, Broad, Desk, Ship, Stop, Spring and Pianoforte.

BUTTONS.
Military, Naval, Livery, Society, Railroad, School, Lasting, Silk and Dress.

LAMP GOODS.
German Student Lamps, Kerosene Burners, Kerosene Lamps.

PURE ALUMINUM.
In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process. It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

NOVELTIES IN

Brass, German Silver, and Aluminum Made to Order.

☞ *Mention "Hardware" when you write.*

Gardner Sash Balance Co.



MANUFACTURERS OF

Aluminum Bronze Sash Ribbon
Sash Ribbon Attachments
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Chain Sash Pulleys
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Ventilating Sash Bolts
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ZUCKER & LEVETT & LOEB CO.

OFFICES. 526. 528. & 530 W. 25TH ST.

NEW YORK. U.S.A.

SEND FOR CATALOGUE OF NICKEL & ELECTRO-PLATING SUPPLIES & POLISHING MATERIALS

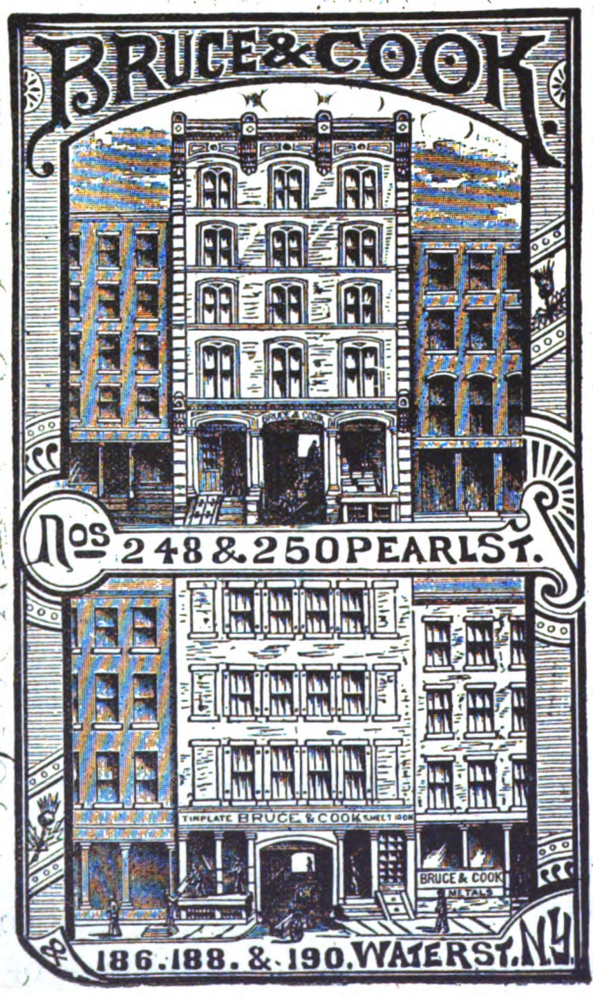
BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Sterectype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

Howard Iron Works,

BUFFALO, N. Y.

Manufacturers of

Bench Vises.

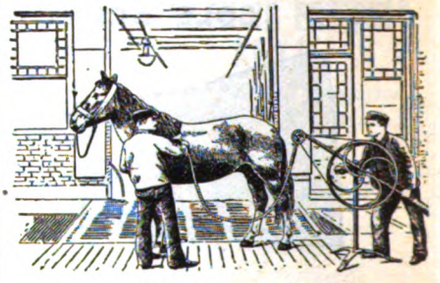
Price Lists sent on application.

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"PRIZE WINNER" HORSE CLIPPERS.

Hand, Bicycle, Electric and Steam Power.

MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.

The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST

and most DURABLE MACHINE made.

The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE

FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

Gillette Clipping Machine Co.,

201 East 23d St., New York.

WESTERN AGENTS:

J. H. FENTON & CO.,

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ENTERPRISE

BONE, SHELL AND CORN MILL.

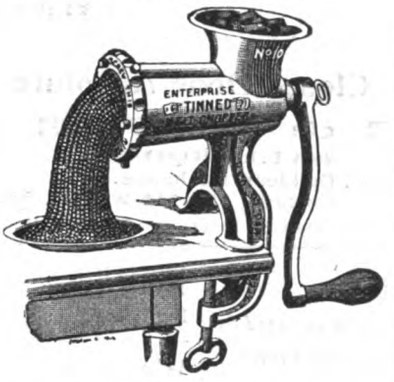
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PRICE $7.50.

Meat Chopper,

TINNED.

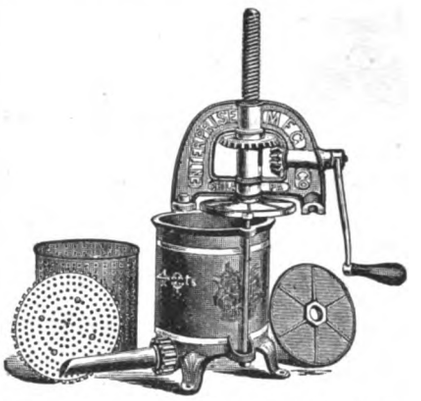


NO. 10, ...

. LARGE FAMILY SIZE,

. . . PRICE, $3.00.

. SAUSAGE . STUFFER AND LARD PRESS.



NO. 25---4 QUARTS.

PRICE, $8.00.

. . . . ALL THE LEADING JOBBING HOUSES SELL THEM. . . . .

Catalogue mailed FREE upon Application.

THE ENTERPRISE M'F'G CO. of PA., Philadelphia, U. S. A.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

The Sterling Emery Wheel Mfg. Co.,

EASTERN AGENT:

L. BEST,

45 Vesey Street,

New York.

CUTTER, WOOD & STEVENS,

131 Pearl Street,

Boston



Tiffin, O.

MANUFACTURERS OF

Emery

AND

Corundum Wheels.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.
- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1342.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

CONSOLIDATED 1901.

MANUFACTURERS OF

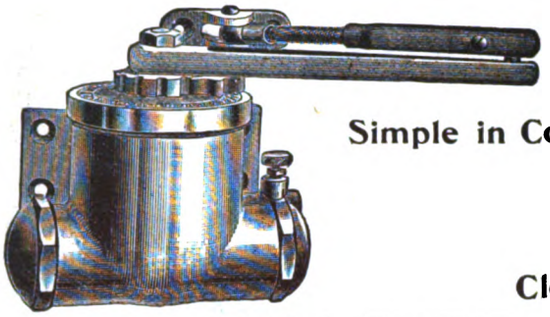
Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

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BLOUNT DOOR CHECK.



A PERFECT DOOR CHECK AND SPRING.
Correct in Design.
Positive in Operation.
Simple in Construction.
Easily Attached.
Perfect Adjustment.
Easy Action in Opening.
Closes Door Absolutely without Slam.

THE YALE & TOWNE MFG. CO.,
SALESROOMS:
New York, 84-86 Chambers St. Buffalo, Builders' Exchange. Boston, 224 Franklin, St.
Philadelphia, 1120 Market St. Chicago, 151-154 Wabash Ave. San Francisco, Mills Building.
General Offices: 280 Broadway, New York. Works: Stamford, Conn., Branford, Conn.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

HARDWARE SALESMAN.—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address BALTIMORE JOBBER, care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care HARDWARE, No. 143 Chambers Street, New York.

BY a prominent Hardware house, a first-class clerk who understands the builders' department, competent to take a leading position; good address and able to give the very highest references. Address "Builders' Department," care of W. B. Fox & Bro., No. 97 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

A YOUNG man with seven years' experience on the road in the Hardware line will be open for engagement January 1, 1896. Can furnish first-class reference. Would prefer to represent some manufacturing agent or jobbing house in New York State. Address SALESMAN, care HARDWARE, No. 143 Chambers Street, New York.

POSITION with a wholesale Hardware house wanted, by a thoroughly competent and experienced traveling salesman. Best reference from present employers. Address R. V., care HARDWARE, No. 143 Chambers Street, New York.

A SITUATION in a Hardware house wanted by a youth of 18; five years' experience. Good reference. Address J. R. B., care HARDWARE, No. 143 Chambers Street, New York.

MIDDLE-AGED man, intelligent, sober and honest, desires situation at Hardware business; willing to be generally useful; thorough knowledge of New York City. Address M. L. BROPHY, No. 42 Perry Street, New York.

YOUNG man (33), thorough knowledge in builders' and general Hardware, cutlery and kindred lines, desires position with jobbing, wholesale or export house; well posted in prices and goods; first-class accountant; A1 references. C. L., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position in wholesale or extensive retail house, by young married man, with about ten years' experience in retail store. Will be ready March 1st. Iowa preferred. Am good mechanic, and expect to work. Address W. L. J., care HARDWARE, No. 143 Chambers Street, New York.

A LADY, two years of careful experience in a large retail Hardware store, general lines, wishes situation. City preferred. Will work two weeks on trial. Can assist in office work if desired. Address MISS REOME, Warren, Ind.

YOUNG man, 27, desires position as Bookkeeper, correspondent, collector or salesman. Good references. Address J. C. H., P. O. Box 307, Newark, N. J.

POSITION wanted with large house by practical builders' Hardwareman (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa., Harriett & Kelly, East End.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

BY young man, 23 years of age, sixteen years' experience in Hardware, butchers' and grocers' supplies. Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE salesman, sixteen years' experience, wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

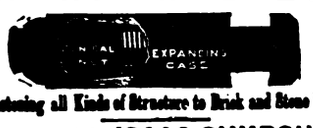
WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty-ninth Street, New York.

WANTED a position as buyer of mill supplies and assistant manager of help with a manufacturer, by an American, 38, with sixteen years' practical experience. A1 references. Address "Buyer," care HARDWARE, No. 143 Chambers Street, New York City.

YOUNG man, 30 years old, twelve years' experience as salesman, desires a position in the Hardware, cutlery and sporting goods lines well-known to the New York and Eastern buyers; good testimonials Address L. E., care HARDWARE, No. 143 Chambers Street, New York City

WANTED—A position by a young man as traveling salesman who has an established trade in the Middle Western States. Thorough knowledge of tin-plate, files and rasps, builders' Hardware. Salary or commission and expenses. Address "SALESMAN," HARDWARE, No. 143 Chambers Street, New Yo k.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.
Patentee and Mfr. ISAAC CHURCH,
Send for Catalogue. Toledo, O

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Situations Wanted.

THOROUGHLY competent and experienced traveling salesman wishes to correspond with some Jobbing house that will recognize hard work and push. Correct habits and best of reference from present employers as to ability, integrity and business capacity. Address "Competent," care HARDWARE, No. 143 Chambers Street, New York City.

ENGLISHMAN (27) requires situation as traveler—commission or salary; thirteen years' knowledge of the trade; five years as representative for a London house. Can show good references as to character and ability from present employers. Alexander Chater, No. 170 Prospect Street Cleveland, Ohio.

WANTED—A position as retail Hardware clerk by a young man of 24 years of age, with five years' experience and best of references. A position in Southwest Missouri, Texas or the South West preferred. Address W. Lasar, No. 3004 Olive Street, St. Louis, Mo.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter houses. Best of reference if required. Address W. S. BUCHANAN, Oakland P. O., Louisa County, Va.

GOOD selling specialties wanted to handle in western New England. F. E. WHEELER, No. 476 Main Street, Springfield, Mass.

WANTED by traveling salesman for a large Hardware house, a side line of pocket cutlery, scissors, etc., visiting New York towns and cities. Address L. K. Wadsworth, South Butler, Wayne County, N. Y.

Side Line Offered.

WANTED—Profitable side line. Salesmen calling on Hardware trade can make big money for next two months. A strictly holiday specialty. Address QUADRUPED NOVELTY CO., Canton, Ohio.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

WANTED—Salesman to handle as a side line, a first-class line of pocket cutlery and scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address L. M. N., care HARDWARE, No. 143 Chambers Street, New York.

WANTED salesman to handle as a side line a first class line of Pocket Cutlery and Scissors, paying good commission, to retail trade in New York State, Pennsylvania and Ohio. Address R. S. T., care of HARDWARE, No. 143 Chambers Street, New York.

SALESMEN in every State wanted to take as a side line a patented article on commission. Goods sold at sight and are demanded by all classes. For particulars, address T. MFG. CO., Box 7, Malden, Mass.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co, Canton, Ohio.

SALESMEN that canvas the retail Hardware trade in New York, Pennsylvania, Ohio, Michigan and Indiana, and want a good side line, address, stating territory covered and class of goods now selling, "Side Line," office of HARDWARE, No. 143 Chambers Street, New York.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

Hardware Store Wanted.

TO purchase a retail Hardware store with a moderate sized stock having a good location in a live, growing town. Must have a good trade, and doing a good business. Address JOHN R. SWARTZ, Hughesville, Pa.

For Sale.

FOR SALE—The stock, fixtures and good-will of a Hardware store and bicycle business in a Western city of 60,000 inhabitants Capital required, $20,000 to $25,000. All or part of the business will be sold. Address W. B., care HARDWARE, No. 143 Chambers Street, New York.

FOR SALE—In one of the best manufacturing towns in Ohio, a stock of Shelf and Builders Hardware, Paints, Oils, and Agricultural Implements; stock will invoice $17,000 to $19,000; clean and in good shape. Store does a business of $40,000 per annum. Apply to T. B. Rayl Co., Detroit, Mich.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

For Sale or Rent.

A NEW, large manufacturing plant, hitherto used in manufacturing reapers and mowers, but well adapted to other uses; thoroughly equipped with machinery, tools and appliances of best modern make, all ready to steam up and run; at St. Louis Park, just outside of Minneapolis, Minn., with street car connections; the property being situated alongside of the Minneapolis & St. Louis, and Chicago, Milwaukee & St. Paul railroads with switch connections. For particulars address Geo. C. Squires, St. Paul, Minn.; C. F. Forster, 638 Rookery, Chicago, Ill., or John Little, Xenia, Ohio.

To Let.

A FIRST-CLASS modern style Mercantile Building, just finished, on Superior Street, Cleveland, Ohio; centrally located; suitable for Dry Goods, Furniture, Crockery, Hardware or other merchandise, specially adapted for a large Department Store. Also so arranged as to be subdivided and leased to two or three tenants. Building is 67x150 feet to another street; 8 stories above a high and well finished basement; floor space about 78,000 square feet; passenger and freight elevators; steam heating; electric lighting. For further information apply to J. G. W. COWLES, No 140 The Arcade, Cleveland, Ohio.

A DESIRABLE office to rent with the Wilmot & Hobbs Mfg. Co., No. 2 Murray Street, New York. Steam, heat, electric light and telephone.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

To Manufacturers.

A HOUSE of nearly sixty years' standing, having travelers well covering the States, would be pleased to open correspondence with manufacturers of specialties suitable for the Hardware trade, with a view of coming to some mutual arrangement for marketing the same. Address F. S. S., P. O. Box 2522, New York City.

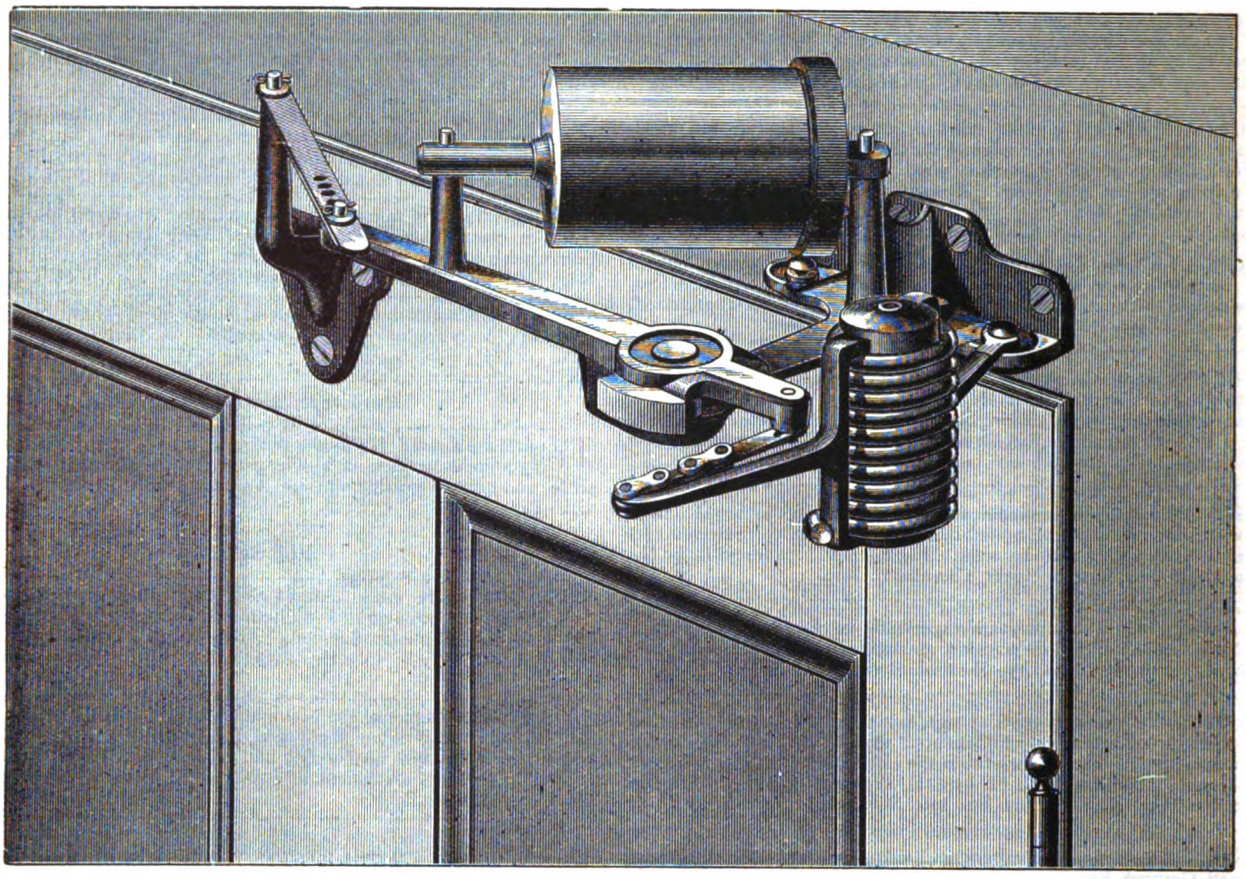
Quotations Wanted.

THE Mechanical Rubber Co. (successor to the Cleveland Rubber Co.), Cleveland, Ohio, wish quotations on Hose Fittings, Clamps, Bands, Reels, Specialties, etc., for the 1896 trade.

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TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

"HOME" DOOR CHECK AND SPRING COMBINED.



Nos 100 to 104 and 120 to 124. Patented.

RUSSELL & ERWIN MANUFACTURING CO.,

SOLE MAKERS.

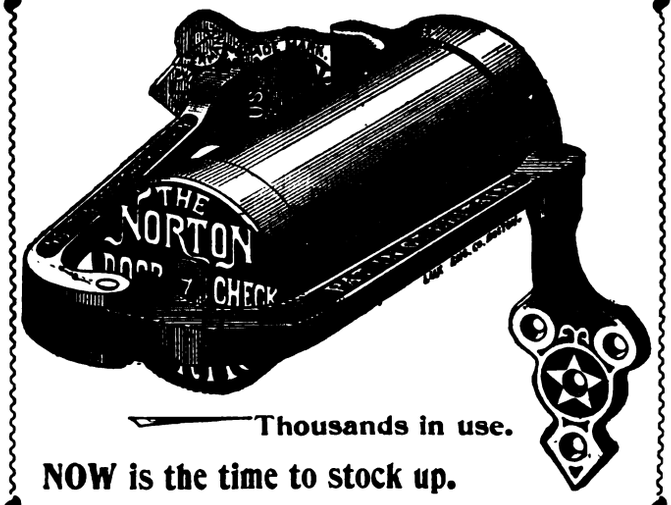
NEW BRITAIN, CONN. - NEW YORK. - PHILADELPHIA. - BALTIMORE. - LONDON.

DRAUGHTS kept out.

HEAT kept in.

GLASS won't break.

DOORS won't slam.



Thousands in use.

NOW is the time to stock up.

ADDRESS

The Norton Door-Check & Spring Co.,

CHAS. S. PENHALLOW, Treas.,

505 Sears Building, BOSTON, MASS.

WE ARE AGENTS FOR

WM. JESSOP & SONS' Cast Steel.
WASHBURN & MOEN MFG. CO.'S Wire Rope.
BOSTON BELTING CO.'S Rubber Goods.
ALEXANDER BROS'. Oak Tanned Belting.
JARECKI MFG. CO.'S Steam Fittings, etc.
PEET VALVE CO.'S Valves.
ERICSSON Hot Air Pumping Engines.
Chicago Emery Wheels.
Black Diamond Files.
RUSSELL & ERWIN'S Screws.
P. & F. CORBIN'S Builders' Hardware.
LANDERS, FRARY & CLARK'S Table Cutlery.
GENEVA TOOL CO.'S Agricultural Tools.
SAMUEL WINSLOW SKATE MFG. CO.'S Ice Skates.

WRITE US FOR PRICES.

THE W. BINGHAM CO.,

146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**

It may be possible to do advertising from which you will never see any results. It is certain that you will never get results from the advertising that you do not do. : : : :

Trying to do business without advertising is like winking at a pretty girl through a pair of green goggles. You may know what you are doing, but nobody else does. : : : :

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WE GUARANTEE

A CIRCULATION FOR ALL THE NEWS. HARDWARE HARDWARE EXCLUSIVELY. OF NOT LESS THAN

ONE HUNDRED AND TWENTY THOUSAND

FOR

1896.

There is but one way, outside of the word of the publishers, to settle definitely the circulation of any newspaper, and that is to **publish the receipts from the post office** for the matter that is mailed. During 1896 we shall adopt this system, and will, each issue, publish the receipts for the preceding issue as obtained from the mailing department of the New York post office, and this will settle, once and for all, the truth of our assertions.

If it can be shown that we fall below 120,000 in the year we **will donate $1,000** to any charity named by the president of the New York Hardware Club.

HARDWARE PUBLISHING CO.,
143 Chambers St., New York.

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SAGER SADDLES are used on nine-tenths of the High Grade Wheels. . . . . .

ALL dealers who insist on SAGERS can get them on their Wheels. . . .

DEALERS who do not insist will, in some cases, be given cheaper Saddles.

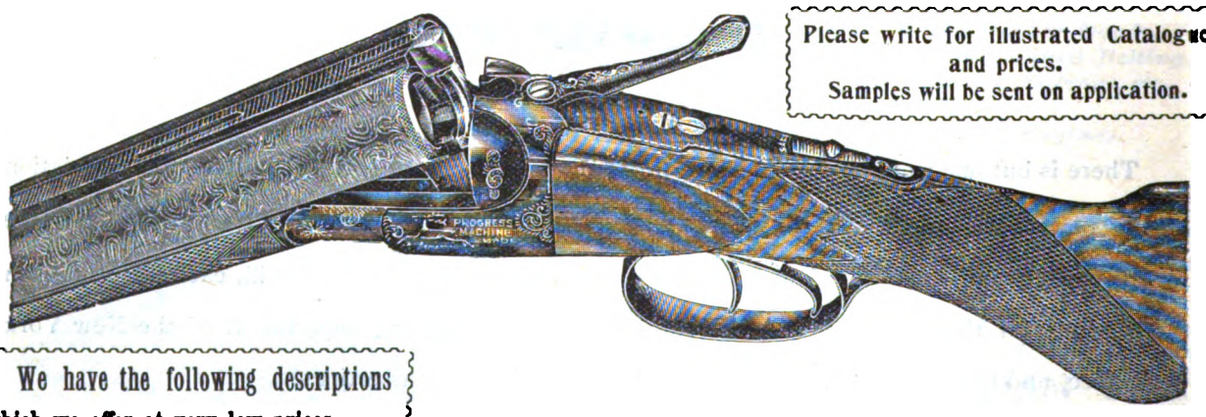
SAGER SADDLES cost more than any others, and are worth more. . . . . .

SAGER MFG. CO.,

Send for '96 Catalogue

ROCHESTER, N. Y.

Double Barrel Breech Loading Guns.



Please write for illustrated Catalogue and prices.
Samples will be sent on application.

We have the following descriptions which we offer at very low prices.

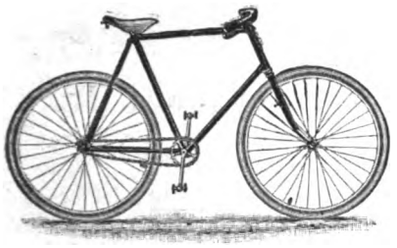
No. 1309. New Steel Barrels, Blued, Side Lever, Back-action Locks.
No. 2017. Same as above, but **Genuine Twist Barrels.**
No. 1330. Columbian Twist Barrels, Top Lever, Extension Rib. Back-action, Rebounding Locks, Pistol Grip, Rubber Butt. Complete Back-action Gun.
No. 1330. Same as above, but Bar Locks.
No. 1302. Complete Back-action, **genuine Twist Barrels.**
No. 1304. Complete Bar Locks, Damascus Barrels.
No. 1346. Hammerless Gun, **as above cut. The cheapest Gun in the market.**
No. 1099. Complete Bar, Genuine Twist, English made gun. **Very good, very cheap.**
No. 1199. Same as above, but 2 bolt.
No. 1299. Very Fine Two Stripe Damascus, Deeley and Edge fore end. Complete in all respects.
No. 5788. Fine Foreign Twist Barrels. Complete in all respects.
No. 1699. Extra Fine Damascus Barrels. Greener's patent treble wedge, fast cross bolt. Complete in all respects.

It will pay anyone wanting Breech Loaders to write us for Catalogue and prices. We call special attention to a large assortment of **Muzzle Loaders** which we are offering at prices **that will sell them.**

ALFRED FIELD & CO., 93 Chambers Street, New York.

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MEDIUM GRADE
AND
HIGHEST GRADE.

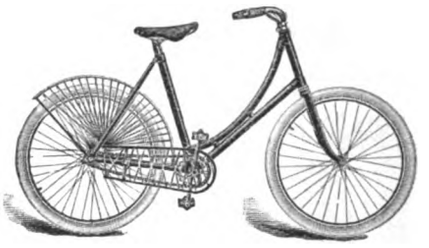


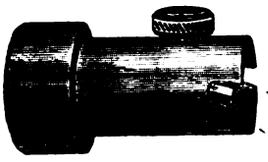
1896
Rochester Bicycles

Are a revelation to lovers of the Silent Steed. . . . . .

Rochester Cycle Mfg. Co.,
ROCHESTER, N. Y.

PRICES
$75 AND $100





Write for Circulars

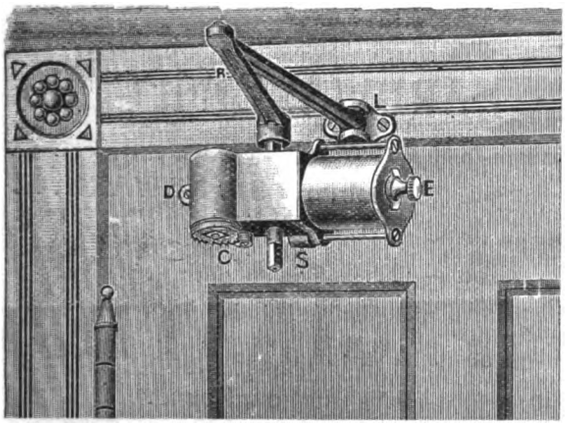
THE most durable, most practical and most satisfactory NOZZLE yet invented.
A simple, straight, open tube. . . . . .

No Valve, No Ball, No NOISE.

Will spray from finest mist to coarsest rain, or throw solid stream.

Manufactured by the
H. F. Neumeyer Mfg. Co.,
Macungie, Pa., U. S. A.

HERE IT IS ON THE DOOR.



PATENTED SEPT. 11, 1894.

The New Royal Door Check & Spring

Excels All Others.

PRICE LIST:

	Each.
No. 1. Light Screen Doors,	$2.40.
No. 2. Small Inside Doors,	3.30.
No. 3. Large Inside Doors,	4.80.
No. 4. Ordinary Store Doors,	5.60.
No. 5. Large Store Doors,	7.00.

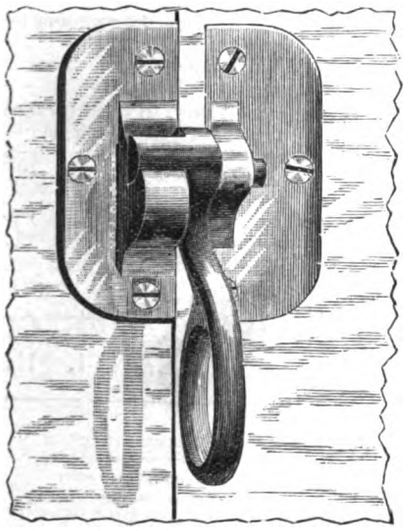
For Discount see prices current this paper

The ROYAL has a Compressed Air Check.

For Sale by
All Leading Jobbers.

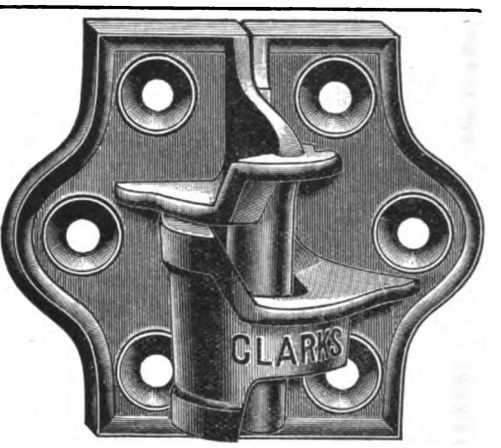
W. H. QUINN & CO.,
103 Chambers St., New York.

The CONROY PATENT
Refrigerator Fastener.
The only Practical Fastener in use.

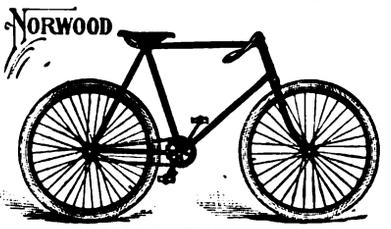


Manufactured and sold to the trade by
P. J. CONROY,
Beware of Infringements. Paschall, Phila.

THE CLARK M'F'G CO.,
ORIGINAL AND ONLY
Manufacturers of the Genuine
"Clark's" Blind Hinges
All Imitations are Counterfeits.
Also Manufacturers of
Lull and Porter, O. S.; "Dixie" L. & P., and "Buffalo Reversible" Shutter Hinges; Gate Hinges and Latches, Sash Pulleys, Cast Loose Pin Door Butts, &c.
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A GOOD WHEEL
Is what people want, and we make it.



STRICTLY HIGH GRADE.

Our theory is not how cheap, but HOW GOOD. Every wheel guaranteed. Prompt deliveries insured during entire season.

Write for Catalogue,
Schlueter Cycle Mfg. Co.
Cincinnati, Ohio

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CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCKS ON EARTH.

UP TO DATE.

Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

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Miller, Sloss & Scott, Inc., San Francisco.



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Saginaw, Mich.

High Grade
Measuring
TAPES
STEEL AND METALLIC.

We make the Largest, Best and most Complete Line of these Goods in the World. Steel Rules, Lumber Rules, Boot Calks, Perfection Glass Boards, Glaziers' Rules, &c.

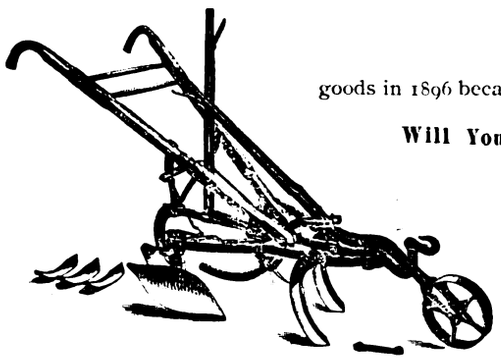
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Specialties in
SHEET METAL WORK,
CLOCK and INDICATOR POINTERS.
CLARK & COWLES, Plainville, Ct.

Would IT INTEREST You?

Well, we think so, for our 1896 Catalogue describes our full line of . . . . . Planet Jr.

Seed Drills, Wheel Hoes, Harrows and Cultivators,
including several entirely NEW machines.

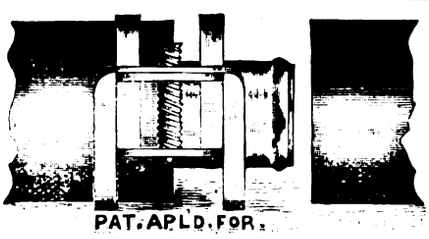


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goods in 1896 because it . . . . . PAYS.
Will You be One of Them?

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W. W. PRYOR HARDWARE MFG. CO.
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Manufacturers of . . . . 23 Ashland St., NEWARK, N. J.
TOOLS AND SPECIALTIES,
Spring, Revolving and Conductors' Punches, Foster Door Springs, Screw Drivers, Nail Sets, Counter-Sinks, Pinking and Curling Irons, Gimlet Bits, Tracing Wheels, Box and Wall Scrapers. . . . . .
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THE DOUBLE CINCH
HOSE BAND AND MENDER.



In Mending one Band does the work of two of any other make.
Bands unequalled for attaching Couplers, Nozzles and other Hose Fixtures.
Simplest and Best in the Market.
Water-tight, Durable, Light, Strong and easily put on—a knife and screw-driver being all the tools needed to mend a hose with this device.
The Mender Tube is seamless brass, easy to insert, gives a full opening, and does not rust.
Can be removed and replaced as many times as desired. The screw is never set by rust; it opens and closes the band, and is never detached or lost.
Ask for Catalogue and discount.
Order of your jobber, or of CLAYTON & LAMBERT MFG. CO.
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SMALL AND MEDIUM.
Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—⅌ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—

Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—

Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—

First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS LOADED—

Standard List July 19, 1890. 40&10& 10@40&10&10&10&5%

GUN WADS—⅌ 1000—

B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—

Drop Shot, sizes smaller than B, 25-lb bags ⅌ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, ⅌ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ⅌ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, ⅌ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ⅌ bag.....$1.55
Buck and Chilled Shot, 5-lb bags, ⅌ bag.....$ .35
Dust Shot, 25-lb bags, ⅌ bag....$2.00
Dust Shot, 5-lb bags, ⅌ bag ....$ .50

POWDER—

Laflin & Rand:

Rifle extra, kegs.....	25 lb	$3.25
	12½ lb	1.90
	6¼ lb	1.10
Rifle special, kegs.....	25 lb	4.25
	12½ lb	2.40
	6¼ lb	1.35
Creedmoor, kegs.....	6¼ lb	1.10
Ducking, kegs.....	6¼ lb	3.00

[For 1 lb lots 10% discount.]

Blasting and Mining, A..	25 lb	2.00
Blasting and Mining, B..		1.50

CANISTER POWDER—

E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each ..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—

Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 5 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 nd 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 2.75
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.65
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... .95
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50

HARD GRAIN SMOKELESS—

Schultze:
Canister, equal in bulk to 1 lb best black..... $ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success..... ⅌ doz. $3.80
Galien Safety..... ⅌ doz. $3.75
Hartman's Pivot..... ⅌ doz. $4.75

Anvils—

Eagle Anvils, ⅌ lb 9c.....15@15&5%
Peter Wright's.....1 @10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¾c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—

Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4 00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-14	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16	24-16	
$10.00	$11.00	$12.00	$14.00	

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist..... 45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—

Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—

C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ⅌ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—

Diamond ⅌ doz. $1.25.....45&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ⅌ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—

Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal.50&10&5@60 &10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—

L'Hommedieu's....15&10@15&10&5%
Watrous'.....4(@40&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg ⅌ gr.....$1.50@$1.55
Pat. Peg ⅌ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. ⅌ gr...$1.30@$1.40
Handled Brad, ⅌ gr.....$2.50@$3 00
H'ld Scratch ⅌ gr.....$1.00@$4.50
Socket Scratch ⅌ doz....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ⅌ doz. $7.50; No. 20, ⅌ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands $5.25@5 50
First quality, other " $4.75@5.00
Beveled add 50c ⅌ doz.

HATCHETS—

Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 lb. ....⅌ doz. 80c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's ⅌ doz. 75c 83c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%

Beef Shavers—

Enterprise..... .....25%

Bells—

HAND—

Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—

Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's .....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—

Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...66⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra..... 60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..⅌ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....⅌ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 ⅌ doz.....30%
Millers Falls ⅌ doz. $4.50.....

Bit Holders—

Extension:
Millers Falls Barber's, ⅌ doz. $15 40@40&10%
Ives' ⅌ doz. $20.00....60&5@60&10%

Blind Adjusters—

Domestic..⅌ doz. $3. 33⅓@33⅓&10%
Excelsior..⅌ doz. $10.00....50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls ⅌ set $1.00.....20%
Austin & Eddy ⅌ gro. sets.....$5.50
Gorhans Improved Star Tenon ⅌ gro. $1.00.....25%
Mackerell's, ⅌ doz. $1.00..2@20&10%
Merriman's Brass Lever ⅌ gr. $15.00
Merriman's Iron Lever ⅌ gr...$9.00
Security Gravity ⅌ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ⅌ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Mal. Iron. 60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley. 60%
Regular Iron Strap'd Blocks. 70&10%

Bolts—

DOOR AND SHUTTER—

Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔&@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—

Com. Jan. 30, '95.....65&12½%
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila., Eagle, list $2.40.....80%
R. B. & W., old list.....70&10&3%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—

Common, list July 1, '95.....67½%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....67½%
B. R. & W., list Oct. 16, '94.....80%

STOVE AND PLOW—

Stove.....67½%
Plow.....60&10&10@70%
R. B. & W., Plow..... .....65%

MISCELLANEOUS—

Sleigh Shoe.....80%
Sink.....67½%

Bone Mills—

Enterprise.....30%

Boring Machines—

Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 50@ 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 20%

Bow Pins—

Humason, Beckley & Co.'s. 70@70&10%
Sargent & Co.'s $17 and $18. 60. 60&10@ 60&10&10%
Peck, Stow & W. Co 60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty. 70@70&5%
New Haven Ratchet. 60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American. $1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....70@70&75%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....35@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....80&10@80&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son..40%
Norwich Lock Mfg. Co. Bronze..30%

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5%
Fast Joint, Broad 50&10@50&10&10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@80%
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@75&5%
Loose Pin, Acorns, Jap.70&10@75&5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....75&10@80%

WROUGHT STEEL—

List, April 1, 1895.
Narrow, No. 800.....
Narrow, Loose Joint, No. 802..
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No. 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No. 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 82).....
Extra Light, No. 826 .....
Light Reversible, No. 834 .....
Light Loose Joint, No. 836.....
Wardrobe, Ger. Pat. No. 837⅓.
Light Narrow, No 839.....
Loose Pin, Light Nar., No. 840
Light Inside Blind, No. 842....
Light Inside Blind, Beveled Edge, No. 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 832.....
} 75&5@75&10%

Can Openers—

Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, Iron Handle.₩ gr....$2 20@2 25
Eureka.....₩ doz. $2.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star.....₩ doz. $2.75
New Sprague, Metallic Handles, ₩ doz.....50c
New Sprague, Wood Handles, ₩ doz.....60c
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩doz.75c
Universal, ₩ doz. $3.00.....55&5%
Domestic, ₩ doz. $2.00.....45%
Champion, ₩ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@25%
Cotton.....20@25%
Wool.....20@25%

Carpet Stretchers—

Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points, ₩ doz.75@80c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27 00
Hall.....₩ doz. $48.00
Crown Jewel, japan finish, ₩ doz $19 00
Crown Jewel, silver bronze trimmings, ₩ doz.....$20.00
Crown Jewel, nickel trimmings ₩ doz.....$21.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Standard.....₩ doz. $24.00

Bissell Carpet Sweeper Co. make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Casters—

Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&10%
Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50%
Yale Gem.....70&10%
Giant Truck Casters.....85%
Stationary Truck Casters.....50&10%
Socket Truck Casters..45&10@45&10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%

COW TIES—

American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

American Coil, in cask lots at fact.
8.16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$6.75 8.00 4.00 3 75 3.50 3.40 3.30 3.15
Less than cask lots, add ¼c @ ½c ₩ lb.
Trace, Wagon and Fancy Chains, 60&10&10@70%
Covert Mfg. Co.....45%
German Coil.....70@70&10%
German Halter Chain....70@70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....45&2%
Covert's Heel Chains.....45&2%
Covert Mfg. Co. Chains.....45%
Galvanized Pump Chain, with Buckets.....6¼@6¼%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 80&5@80&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to £
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ₩ lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each 3.00.....30%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....50%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....35&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 50&10%
Carriage Makers', Sargent's..50& 10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .... 2 & 0%

Cleavers—

Foster's.....30%
Jennings & Griffin 40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10& 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's 33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....₩ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N R. G Gloves...₩ doz. $12 00
No. 025 Gloves.....₩ doz. 4.50
No. 125 Gloves.....₩ doz. 6.00
No. 151 Gloves.....₩ doz. 9 00
No. 155 Gloves.....₩ doz. 8.00
No. 146 Gloves.....₩ doz. 9.00
No. 152 Gloves.....₩ doz. 7.50
No. 142 Gloves.....₩ doz. 7.00
No. 138 Gloves.....₩ doz. 6.00
No. 052 Gloves.....₩ doz. 8.00
No. 147 Gloves.....₩ doz. 4 50
Wrist Supporters.....₩ doz. .75
No. 160 Husking Pin..₩ gro. 7.00
No. 165 Husking Pin..₩ gro. 10 50
No. 170 Husking Pin..₩ gro. 2.00
Hubbard's Solid Steel.₩ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ₩ doz. $2.00; E, $1.75.....6%
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Spring, Jap'd ₩ doz $1.75; Blued, $2 25; Nickeled, $4.00.
Rubber, ₩ doz. $7.00.....20@10%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. $1 75
F. E. Kohler & Co.'s Humane ₩ doz. $1.60
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....30%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00

SPARK COIL—

Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—

Torrey's Rod, 39 in, ₩ doz $1.20@1.25
See Rod ₩ gr., $20.00.....20%
Warner's.....55@55&5%
Gem (Coil), list April 19, 1886. 25&10%
Star (Coil), list April 19, 1886.20&10 &10%
Foster's (Coil).....20%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ₩ doz. $5.50. 66⅔@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
} 80@80&10%
New Haven.....
Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White..... 2 & 5@5%
Bradley's.....35%
Adjustable Handle.....25@25&5%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1.75
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $3.00..25%
Breast, Bartholomew's No. 12, ₩ doz $16.00
Ratchet, Merrill's.....30@30&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's..... 2 @30&5%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....30@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting..33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1 85
Stearns' Bench.....50@50&10%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—

National .....₩ gro $1.50
Paine, Diehl & Co.'s Keystone..33⅓%
Dover (Standard Co.)....₩ gro $9.50
Dover Extra Heavy (Standard Co.) ₩ doz $2.50

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ lb..4½c	5c	3c	
½ kegs, ₩ lb.4½c	5½c	3½c	
¼ kegs, ₩ lb. 5c	5½c	3½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans, less than 10.. 10c	10c	8c	

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....70%

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood 25%

Faucets—

John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined 60%
O. K. West. Pat.. Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No 5.	No 5x.
Water Pails, 12 qt....	$3.00	$3.50	$4.00
Dairy Pails, 14 qt..	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire.....	3.40		
Prison Pails, 16 qt (with cover)	6.50		
Buggy Pails, 7 in. high.	2.60		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)..	3.70		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt ...	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt	4 50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1. 0	1.70	2.00
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2. 0
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls, ...	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4 00
Pitchers, 10½ in high..	4.00	4.70	5.20
Milk Pans.....	1.80	2.00	2.20
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11½ inch.....	2.30	2 80	3.10
Waste Paper Jars....	3.00	4 00	4.50
Mats, 8½ inch (for table use)	.00	1 00	1.20
Mats, 15 inch (for cuspidores, etc,.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.50	6.50	7.00
Spittoons, Daisy, 6½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Peck Measures.....	2.80		
Half Peck Measures...	2.50		

Files—

DOMESTIC—
Best Brands.....60&10&10@70%
Good Brands.....70&5@75%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&10&10%

IMPORTED—
Stubs.....Stubs' list, 25&30%

Filters—

Seed's Water Filters:
A 1, $4.50 No. 2, $3.00 No. 3, $1.75 No. 4, $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list..60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fluting Scissors—

List.....45%

Forks—

Hay, Manure, &c., Asso. List....75%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65%
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—

Standard List:

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch .....25&10%
Bemis & Call's Steel..... .....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20...
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....25%
Wire, Brown & Sharpe's.....10@20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $3.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₩ gro....$4.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid.....25@30%

Glue Pots—

Tinned.....50@50&10%
Enameled.....10@50&10%
Family, Howe's "Eureka".....40%
Family, L. F. C.'s "Handy".....50%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P., S. & W. Co.....50&10 &10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters.....33⅓%
Web and Rope Halters...33⅓&5&5%
Horse and Cattle Ties.....33⅓&5%
Upson & Wooding.....40%

Halter Leads—

Covert Mfg. Co.....45%

Hammers—

HANDLED HAMMERS—
Maydole's.....25&1 @25&10&10%
Buffalo Hammer Co.... } 50&10@60%
Humason & Beckley... }
Atha Tool Co..... }
C. Hammond & Son. List..40&10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₩ doz..... Nos. 1, $3; 2, $6..... .....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb...₩ lb 40c } 75@75&5%
3 to 5 lb.....₩ lb 35c }
Over 5 lb.....₩ lb 30c }
Wilkinson's Smiths...10c@10½c₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%

Handles—

IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.08	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@ 50&10&10%
Roggin's Latches ₩ doz.....28c@30c

STORE DOOR HANDLES.—
Japanned Nuts.....$1.62
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door 60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc .....10&5%
Brad Awl .....₩ gr. $2.00
Hickory Firmer Chisel, as ₩ gr 4.50 } 50
" Firmer Chisel, large ₩ gr 5.00 } 50
Apple Firmer Chisel, as..₩ gr 5.00 } 50
Apple Firmer Chisel, large ₩ gr 6.00 } 50
Socket Firmer Chisel, as. ₩ gr 8.00 } 50
Worcester Leather Cap'd Chisel, 25%
File, assorted.....₩ gr 2.75 } 50%
Auger, assorted ...₩ gr 5.00 }
Auger, large.....₩ gr 7.00 }
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'.....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.60&10@60& 10&10%

CROSS-CUT SAW HANDLES—
Atkins.....40%
Boynton' Loop Saw Handles, 60c.50%
Champion .....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track..55%
U. S. Wood Track.....65%
Champion .....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $21.00; No. 3 $35.00; No. 4, $35.00.. .....70%
Cheritree.....50&10%
Kidder's.....60@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction.60&10@60&10&5%
Duplex (Wood Track).....60&10&5%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10 &10%
Munger Hanger.....20&10%
Davis Parlor Door.....50@50&5%
Cronk's Steel cov'd Anti-Frict...60%
Cronk's Acme, Flat Steel ₩ doz. $7.00.....75%
Queen City Reversible...75&10&5%
Felix, ₩ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....50@50&5%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&5@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning, from jobbers.$6.50@$7.50
Gem.....₩ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₩ doz $11.50@$13.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—
Strap and T.....80@80&10%
Corrugated Strap and T..80@80&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. { 6 to 12 in., ₩ lb 3 c; 14 to 20 in., ₩ lb 2½c; 22 to 36 in., ₩ lb 2 c }
Rolled Blind Hinges Nos. 33 and 34 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 6 to 12 in. ₩ lb, 5c. 14 to 36 in. ₩ lb, 4c.

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....30%
Acme.....30%
American.....30%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.0
New Idea, No. 1, ₩ gro.....$12
New Idea, No. 2, ₩ gro.....$24.
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting.....25%
Union Mfg. Co.....25%
Bommer's.....35%
Buckman's.....25%
Chicago.....30%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $18.00
Devore's No. 1.....₩ gr. $13.00
Rex.....₩ gr. $13.00
Royal Japanned.....66⅔%
Royal Bronze.....45%
Reliable.....60%
Champion 60%
Matchless No. 10.....70%
Victor.....₩ gr. $10.00
Torrey.....80%
Rubber.....66⅔%

GATE HINGES—
Western, ₩ doz $4.20, 60&10@60&10 &5%
N. E...₩ doz $7.80, 60&10@60&10&5%
N. E. Reversible..₩ doz $5.60, 60& 10@60&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..₩ doz $4.90, 60&10@60 &10&5%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3, 60&10@60&10 &5%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%

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Nicholson.....45&10%
Huffer.....60&10@60&10&10%
Clark's Nos. 1, 3, 5, 40 and 50.75&10 &5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75 10%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&2½%

Hitching Cords—

Covert Mfg. Co.....45%

Hoes—

HANDLED—

Garden, Mortar, &c.....75&30%
Planter's Cotton, &c.....80&2%
Warren Hoe.....60&10%
Magic.....₩ doz $4.00
Dunlap's:
Boys'.....80&10%
Ladies'.....80&10%
Toy.....80&10%

EYE—

D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.30&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat.....70%
Hubbard & Co., S. & O. Pat.60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Maslin Kettles.....75&10@80%
Boilers and Saucepans..6 @60&10%
Tinned Boilers and Saucepans. 6 @ 60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware... 60&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.

Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&10&5%
Rogers & Brother.....40&15%
Hartford Silver-Plate Co....40&10&5%
William Rogers Mfg. Co...40&15&5%

Hooks—

CAST IRON—

Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list.
} 60&10&10 @70% 5 &10%

Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....60&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60 &10&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—

Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz.....60c

Meat—

Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%

WIRE—

Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1898.....50@50&10%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....80&10@80&20%
Handy Coat and Hat.....60@60&10%
Steady Ceiling.....60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—

Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush.....55@60%
Whiffletree—Premium.....6%
Hooks and Eyes—Mal. Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9½	9½	9½	9½	9½	net
Ausable	28c	26c	26c	24c	23c	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c	30&5%
Essex	28c	26c	25c	24c	23c	40&10@50%
Lyra	9½c	9½c	9½c	9½c	9½c	net
Snowden	9½c	9½c	9½c	9½c	9½c	net
Vulcan	23c	21c	20c	19c	18c	25%
Northw't'n	25c	23c	22c	21c	20c	25@25&5%
A. C.	25c	23c	22c	21c	21c	40&10%
C. B. K.	25c	23c	22c	21c	21c	40%
Maud S.	25c	23c	22c	21c	21c	50&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&2%
Saranac	23c	21c	20c	19c	18c	40&5%
Champion	25c	23c	22c	21c	20c	40&5&2%
Capewell	19c	18c	17c	16c	16c	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	18c	50%

Empire Bronzed.....10@10½c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co.....45%

Hose, Rubber—

Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10&5%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—

Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Jack Screws—

See Screws.

Kettles—

Spun Plain Brass.....25&5%
Spun Brass, plated inside with White Metal.....25&5%
Stamped Brass Kettles, ₩ lb 19@30%

Keys—

Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1880.50&10@ 60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—

Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....25@ 0%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔&5%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—

Door Mineral.....55@60%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladies, Melting—

Sargent's.....60&10@60&10&5%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....55&10@40%
Warner's.....30%

Lawn Mowers—

New Easy.....@60&10&60&10&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%
Genuine Philadelphia Mowers: Styles, D., D. O. W., M., S., T., C. K. L., and B. Self-adjusting. 70&10%
Styles A., and E.....60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—

Enterprise.....25%
Gibbs' Arc.....₩ doz. $10.00
Gibbs' Hustler.....₩ doz. $5.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler:

	No. 1,	No. 2,	No. 3,
₩ doz.	$12.00	$15.00	$24.00 .40%

No. 4, $7.00 each.....33⅓%

Lemon Squeezers—

Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 2 &10%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $5.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%

Letter Box Plates—

Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—

C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....30%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....4 %
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 20%

Locks—

DOOR LOCKS, LATCHES, &C.—

R. & E. Mfg. Co., list August 15, 1895.....60 & 10 net
Mallory, Wheeler & Co., list July, '88.....60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94..60&10 @6 &10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓&
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....50&10%
Shepardson or U. S.....35%

CABINET—

Cabinet Locks.....60&10@70%
Eagle Lock Co.....25&10%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 22 to 39.....40%
Dietz, Nos. 41 to 78.....45%
Dietz, Nos. 87 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40@40&10%

PADLOCKS—

Wrought Iron.....70&10@80%
Gem. Corbin Cabinet Lock Co.40&2%
Eagle.....40%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 9.....40&5%
Scandinavian.....90&40@90&40&10%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ₩ doz. $9.00...50@50&10%
Barnes Mfg. Co.....50@50&10%
Nock's.....30&10%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 109 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 100, inclusive.....50%
Ames Sword Co. above No. 100, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—

Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—

Regular list.....70&10@75%

Meat Cutters—

Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....33⅓%

Nos.	100	150	
	$15.00	$18.00	

Hales Pattern ₩ doz.....70@70&5%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	5	6
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25&30%

Nos.	10	12	22	33	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&10%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..₩ doz $28.00.....60%
Draw Cut, each:

Nos.	5	2	6	8	
	$50	$75	$80	$225	20@25%

Beef Shavers (Enterprise).....25@30%
Little Giant.....50&10%

Nos.	305	310	313	320	322
	$15.00	$18.00	$14.00	$72.00	$88.00

Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.]
Wire Nails and Brads, Pareed, Association list, May 1, 1892, 8 & 10@8 &10&10%
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—

Brass Head, Sargent's list, 70&10@ 70&10&5%
Brass Head, Combination list, 50& 10%
Porcelain Head, Sargent's list, 50& 10%
Porcelain Head, Comb'n list, 40&10%
Niles' Patent.....40%

FURNITURE—

Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—

Black Hawk, per doz.....$9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 2 @10%
Giant, No. 2.....₩ doz $15.00, 2 @10%
Pelican.....₩ doz $9.00, 25&10%
Lightning.....₩ doz $18.00, 20%
Scranton No. 2.....₩ doz. $10 00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....60%

Nuts—

Cold Punched, Square....4½c off list
Hex.....5c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped.....60%

Oilers—

Zinc and Tin.....70&10@75%
Brass and Copper.....50&10@60%
Malleable. Hammers, Improved 10&5%
Malleable, Hammers, Old Pattern, same list.....50&10@60%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc....70%
Prior's Pat. or "Paragon Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 85c

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Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₱ gross.....$7.50
Indian Pond Red End, No. 1, ₱ gross.....7.00
Indian Pond Red End, No 2, ₱ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ & 5

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₱ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¼ to 2⅜ to ⅝ at back, ⅛ to 5-16 edge ₱ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₱ ℔.....70
Discount 33⅓&.
Pike's Washita Mounted:
8x2, ₱ doz.....$12.00
7x", " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
8½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1⅛, ₱ ℔.....24
" 2x2x1⅛, extra selected..40
Discount 33⅓&.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₱ ℔.....2.80
No. 1, 5½ to 8x1¾ to 2x¾ to 1, ₱ ℔.....3.50
No. 1, 3 to 12x1¾ to 2x¾ to 1, ₱ ℔.....4.00
No. 2, 3 to 5½x1¾ to 2x¾ to 1, ₱ ℔.....1.00
No. 2, 5½ to 8x1¾ to 2x¾ to 1, ₱ ℔.....1.50
Discount 33⅓&
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x3 in.....₱ doz. $ 0.00
7x3 in.....₱ doz. 33 00
6x2 in.....₱ doz. 30 00
5x2 in.....₱ doz. 24.00
4½x ⅛ in.....₱ doz. 14 0
3½x1 in.....₱ doz. 9 00
4x1 in., on Mahogany Hardles.....₱ doz. 7 00
3½ in., in Vulcanized Rubber Case.....₱ doz. 12.00
Discount 33⅓ & 10s
Pike's Arkansas Round Edge Slips:
No. 1 reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x⅛ to ⅜ in edge, ₱ ℔.....$4.00
No. 1 small, 3 to 5x1¼ to 1½x1¼ to ⅝ in. back x ⅛ in to sharp edge.....₱ ℔ 6.00
No. 2 assorted sizes.....₱ ℔ 2.50
Discount 33⅓&
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1½x ⅜ to ⅝ ₱ ℔.....4.00
No. 2, assorted sizes, ₱ ℔..... 2.00
Discount 33⅓&.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x¾ to 1 in.....₱ ℔, $1.50
No. 1, 5½ to 8x1¾ to 2x¾ to 1 in.....₱ ℔, 1.70
No. 1, 8 to 12x1¾ to 2x¾ to 1 in. ₱ ℔..... 1 90
No. 2, 3 to 5½x1¾ to 2x¾ to 1 in.....₱ ℔, .50
No. 2, 5½ to 8x1¾ to 2x¾ to 1 in.....₱ ℔. .70
Discount 33⅓&.
Pike's S ft Arkansas:
Round Edge Slips.
No. 1, reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x ⅛ to ⅜ in. edge, ₱ ℔.....$2 00
No. 1, small, 3 to 5x1¼ to 1½x1¼ to ⅝ in. back x ⅛ in. to sharp edge.....₱ ℔, 4.00
No 2, assorted sizes.....₱ ℔, 1 00
Discount 33 ⅓&
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1½x⅜ to ⅝ in.....₱ ℔, $2.50
No. 2, assorted sizes.....₱ ℔ 1.00
Discount 33 ⅓&
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₱ ℔ .08
Washita Finish, about 8x2x¾ to 1¼, ₱ ℔.....10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₱ ℔.....20
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₱ ℔.....12
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₱ gross.....8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₱ gross..... .30

Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₱ ℔.....08
Small Axe, about 3x2x½ to 1 ₱ ℔.....10
Special Axe, 2½x1½x½ ₱ ℔... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 ℔, ₱ ℔.....05
Medium, 8 x 1½ x 1½, weight about 1½ ℔, ₱ ℔.....05
Large, 8x1¾x1¼, weight about 2 ℔, ₱ ℔.....05
Small table, 10x2¾x3¾, weight about 4 ℔.....₱ ℔. ...06
Large Table, 10x3¾x5 " 06
Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₱ ℔ .50
Extra, " ₱ ℔..... .8
Round Edge Slips, No 1, ₱ ℔. 2.00
Discounts 33⅓&.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per ℔ 70c.....40%
Boston "Phœnix" Red Sheet, per ℔.....50c. net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N.Y.B. & P.Co., 1846-Para....40&10%
N.Y.B. & P.Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....70@75%
Standard, Fair Quality..70&10@75%
Extra.....60&10@50&10 & %
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₱ ℔ 80c 2€@35&5%

MISCELLANEOUS—

American Packing.....9c@10c ₱ ℔
Russian Packing.....13 @14c ₱ ℔
Italian Packing.....12c@13c ₱ ℔
Cotton Packing.....14c@15c ₱ ℔
Jute.....6c@7c ₱ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₱ doz $4.50
Baldwin.....₱ doz 5.00
Bonanza.....each 5.00
Daisy.....₱ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₱ doz 12.00
Favorite.....₱ doz 5.00
Ideal.....₱ doz 4.00
Improved Bay State.₱ dz. .$27@30.00
Little Star.....₱ doz 4.00
Monarch.....₱ doz 13.50
New Lightning.....₱ doz 5.50
Penn.....₱ doz 3.00
Perfection.....₱ doz 4.00
Pomona.....₱ doz 4.00
Rocking Table.....₱ doz 5.50
Turntable.....₱ doz 4.50
Waverly.....₱ doz 3.75
White Mountain.....₱ doz 4.00
Reading, 72.....₱ doz 4.00
Reading, 78.....₱ doz 7.00
Oriole.....₱ doz 4.00
Victor.....₱ doz 13.50
Gold Medal.....₱ doz 4.00
Scott's Pat. Rotary, ₱ doz $15.00, 20%

POTATO—

White Mountain.....₱ doz $4.50
Antrim Combination....₱ doz 5.50
Hoosier.....₱ doz 13.50
Saratoga.....₱ doz 5.50

Pencils—

Dixon's Lead.....₱ gro 4.50
Dixon's Mascot, Round..₱ gro.$3.10
Dixon's Mascot, Hexagon.₱ gro. 3.38
Dixon's Lumber.....₱ gro 6.87
Dixon's Carpenters' ₱ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₱ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey's..5"&10&1 @5"&10&10&10%
Miscellaneous.....25&10%
Steer s Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's.....6 @6 &10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₱ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to 2
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
L. & I. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%

C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers. ₱ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00 ...40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....5(@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₱ doz $12.00 30&5%
Cronk's, Stubb's Pat Pliers.....50%
Cronk's Button Pattern .....70&10
Upson Nut Co. Solid Steel 5½ in. ₱ doz. $2.00; 6½ in. ₱ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls 33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex..... .....2 and 5
Stanley's Handy.....2 &10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@75&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₱ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₱ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓&40%
Prestoline Paste.....33⅓&40%

Polish, Stove—

Joseph Dixon's.....₱ gro $5.75, 10%
Gem.....₱ gro $4.50, 10%
Lustro.....₱ gro $4.75
Rising Sun.....₱ gro $5.50@$5.75
Dixon's Plumbago.....₱ ℔ 8c

Poppers, Corn—

Round or square,
1 qt., ₱ doz. $1.00; ₱ gr. $8.00 } 10@
1½ qt. ₱ doz. $1.00; ₱ gr. $9.00 } 15%
2 qt., ₱ doz. $1 50; ₱ gr. $14 00 }
Quincy Corn Popper, 1 qt., ₱ doz. $3 00; 2 qt, $4 00.....33⅓&

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Disston's Combined Pruning Hook and Saw...₱ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₱ doz $12.00, 2€@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale, 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₱ doz.....$2.50@2.75
Henry's Pruning Shears ₱ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₱ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₱ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. ... .60%
Levin Pruner, No. 1, $9.00 ₱ doz.25%
Levin Pruner, No. 2, $12.00 ₱ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔&@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔&@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₱ doz $12.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.'
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$18.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No 128, Fig. 510, 3 in. Lift Pump.....$7.00
No 131 Fig. 510, 3½ in. Lift Pump $8. 0
No. 225, Fig. 389, Windmill Pump $12.50
No. 230, Fig. 402, Windmill Pump $13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 4 4, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 5 2, Cyclone Tank Force Pump $17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$ 7.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16 00
No. 3 2, Fig. 477, Spray Pump complete.....$11.50
No. 320 Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₱ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@55%
Spring, good quality, ₱ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket 65
Bemis & Call Co.'s Spring.....50&5%
Solid Tinners', P. S. & W. Co. ₱ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe $6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Panished Iron, to fit 5 in. Stove Pipe.....$7.50
Panished Iron, to fit 6 in. Stove Pipe.....$7 0
Planished Iron, to fit 7 in. Stove Pipe.....$8.50
Planished Iron, to fit 8 in. Stove Pipe.....$10.00

Rail—

Sliding Door, Wr't Brass, 1½ in. ₱ ℔, 34c.....80&10@40&5%
Sliding Door, Bronzed Wr't Iron. ₱ ft. 6½c
Sliding Door, Iron, Painted....₱ ft 2c
Barn Door, Light, In. ¼ ⅜ ½
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₱ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₱ foot.....3½c
Victor Track Rail, 7c ₱ foot.....70%
Carrier Steel Rail, ₱ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—

Cast Steel, Association goods.75&10%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₱ doz. $4.90
Gibbs' Canton Lawn Rake net ₱ doz $3.50
Gibbs' Favorite.....net ₱ doz $3.90
Gibbs' Acme.....net ₱ doz. $4.00
Gibbs' Crown, No. 1. net ₱ doz. $4.50
Gibbs' Hustler, No. 0. net ₱ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4
Per doz	$1.40	1.50	1.80	2.25..30%

Boys' rakes.....₱ doz $3.50

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Ladies' rakes, ₩ doz, No. 1, $2.00: No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth. $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust $1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $3.75

Razors—

J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....10%
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—

Francis Keil & Son.....50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95.....60%
Coopers.....60%
Block.....60%
Carriage.....60%
Hame.....60%
Burrs.....60%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—

Regular list.....70%

Rods—

Stair, Brass.....25@10%
Stair, Black Walnut.....₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10&10@70%
Moore's Acme Barn Door.....60%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope

Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ ℔ 7 c
Manila.....⅝in ₩ ℔ 7½c
Manila, ¼ and 5-16 in ₩ ℔ 7 c
Man. Hay Rope, Med. ₩ ℔ 8 c
Sisal, 7-16 in. & larger ₩ ℔ 5 c
Sisal.....⅜ in ₩ ℔ 5½c
Sisal, ¼ and 5-16 in ₩ ℔ 6 c
Sisal, Hay Rope..... ₩ ℔ 5 c
Sisal, Med. L'the Y'rn ₩ ℔ 4½c
Cotton Rope, Best, ¼ in. and larger..... ₩ ℔ 13@12½c
Medium, ¼ in. and larger, ₩ ℔ .8c
Common, ¼ in. and larger, ₩ ℔ .8c
Jute Rope..... ₩ ℔ 5½@6c
} 1% for cash in 10 days.

Rules—

Boxwoo...80&10&10&10@80&10&10&10&5%
Ivory.....80&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....35&10%
Lufkin's Steel.....60%
Lufkin's Lumber.....5 &10%

Sad Irons—

From 4 to 10..... ₩ ℔ 2@2½c
Self-heating..... ₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....5½c
New England.....5c, 20&10%
Mahony's Troy Pol. Irons.....15%
Sensible Pol., ₩ doz $4.50.....20%
Ideal..... ₩ doz. $7.00
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown, Impooved Pol, ₩ doz $8.50
Nickel..... ₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper..50&10&5@5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—

Common..... ₩ ℔ 8½c2.9c
Jute, good quality..... ₩ ℔ 1.c
White Cotton Braided, fair... ₩ ℔ 21c@24c
Common Russia Sash. ₩ ℔ 12½ @ 3c
Patent Russia Sash... ₩ ℔ 13½c@14c
Cable Laid Italian Sash ₩ ℔ 22½c@25c
India Hemp Sash..... ₩ ℔ 10½c@ 1c
Silver Lake:
A Quality, White.. ₩ ℔ 50c....10%
A Quality, Drab... ₩ ℔ 55c... 40%
B Quality, White ₩ ℔ 60c, 15&7½%
B Quality, Drab, ₩ ℔ 65c..15&7½%
C Quality, White (only) 26½c @ 28c
Sylvan Spring
Extra Braided White..... ₩ ℔ 35
Extra Braided Drab..... ₩ ℔ 33c
Semper Idem, Braided White ₩ ℔ 24c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton..... ₩ ℔ 30c
"Samson" Braided Drab, Cotton..... ₩ ℔ 35c
"Samson" Braided Italian Hemp..... ₩ ℔ 33c
"Samson" Braided Linen, ₩ ℔ 30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size..... ₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's..... 33⅓%
Reading.....60&10@60&10&10
Hammond's Window Springs, A.....10&10%
Hammond's Window Springs, B. 50%
Common Sense, Jap'd, Copp'd, and Br'zed..... ₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '95.....70%
Payson's Perfect.....70%
Hugunin's Sash Balances.....30&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@60&10&10%
Davis, Bronze, Barnes Mfg. Co...70%
Champion Safety.....70&5%
Security.....70%

Sash Weights—

Ton lots at factory.....$13.50@$16.00
Small lots at factory...$14.00@$16.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $80.00.....20%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—

Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
Woodrough & McParlin Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.25@25&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill, 4 @45&5%
Richardson X Cuts.....45&10%
Richardson Hand-saws....25@2 &5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—

Griffin's complete'.....40&10@50%
Griffin's Hack Saw and Blades, 40&10@50%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—

Star Hack.....25%
White Vermont.. ₩ gro. $9.00@$9.50
Red, Polished and Varnished... ₩ doz., $1.50 25%
C. E. Jennings & Co.....30%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 50@55&10%
Common Lever ₩ doz., $2.00, 40@50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00..... 40&20%
Morrill's Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $8.00; No. 1, $15.00. 33⅓@35%
Cunningham Band.....15%
Automatic.....25%
Nash's.....30&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50 25@25&10%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".. ₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 8 kinds.....45%
Wheeler's Patent.....60%

Scales—

Union Platform Plain...$2.00@$2.10
Union Platform Striped.$2.15@$2.25
Chatillon's Grocers' Trip Scales..50%
Chatillon's Eureka.....25%
Chatillon's Favorite.....40%
Family, Turnbull's.....30@30&10%
Riehle Bros.' Platform...40@40&10%
Brittan Graham & Mathes.....60%

Scale Beams—

Scale Beams, List Jan. 12, '93..50&10@50&10&10%
Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle..... ₩ doz.. $2.00
Box, 2 Handle... ₩ doz., $3.00@$4.00
Defiance Box & Ship.....20&10%
Foot.....55&5@60&5%
Ship Common..... ₩ doz., $2.40 net
Ship, R. I. Tool Co.....10%

Screens—

Phillips:
Bonanza Screens.....60%
Perfection Screens.....6 %
Extension.....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—

Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30&35%
Standard Oil.....35&40%

Screw Drivers—

C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5 @50&10
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C.T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles.40&10%
No. 80.....70&10%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20, 40 and 60 50&10@50&1 &%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral.....50%
Gay & Parsons.....35%
Champion.....40@40&10%
Clark's Pat.....33⅓@40%
Ellrich's Socket and Ratchet.40&1%
Howard-Allard....50&10@50&10&5%
Rapid Spiral.....33⅓%
Screw-Driver Bits...₩ doz., 50@.5c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12.45%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
P. S. & W.....7 %
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 27½ &5%
"Handy" Ratchet.....20%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....2.&10%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—

WOOD SCREWS—List, Oct. 9 '95.
Bright Flat Head Iron.....42½%
Br't R'd & Oval Head Iron.....5%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....82½%
Round Head Brass.....75%
Flat Head Bronze.....82½&10%
R'd and Ovel Head Bronze..80&10%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....60%
Round Head Copper.....60%
Rogers Drive Screws.....50%

MACHINE—

Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron.....70%
Bench, Wood, Beech..... ₩ doz $3.25
Hand, Wood.....25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1890. 75&2%
Coach list Jan. 30, '95.....75&10&10%
Bed.....75&10&5%
Hand Rail, Sargent's. 70&10@70&10&10%
Hand Rail, H. & B. Mfg. Co..75@75&5%
Hand Rail Am. Screw Co.... 70%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing .....50&10&10%
Jack Screws, P. S. & W.....35%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns'.....40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—

C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' No. 1, $8; No. 6, $10; No 7, $15.....25%
Barnes Scroll Saw Blades.....35%

Scythes—

Grain.....50@50&10%
Grass.....50&10@50%

Seeders—

Enterprise Raisin.....25%

Shears—

Ætna, Steel Japanned.....30&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s...60@60&10%
American (Cast) Iron..75&10@50&5%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.....65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1895.50&10@60&5%
R. & E., list August 15, 1895.....60%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s.....60%
Sargent's list.....70%
Reading list.....65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Bess, from jobbers.....$3.15@$3.40
Bryden's Frog Pressure.....$4.00
Perkins Steel Side Weight Hind $3.15 @ $3.40
Perkins Improved Snow..... ₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots..... ₩ ℔ 9c
1000 ℔ lots..... ₩ ℔ 9½c
500 ℔ lots..... ₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c.....30%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..30%
Old Colony (Sanford Fork & Tool Co).....25%
St. Louis Shovel Co.....30@30&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co.....30&10%
Payne, Pettebone & Son, list Jan. 1890.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—

Iron Head.....60&10@60&10&5%
Brass Head.....60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $18@13.50

Slaw Cutters—

Enterprise.....25%

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Slicers—
Enterprise Vegetable.....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guarded, 7½&10&11 @7½&10&10 & 10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German, new list.....40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert Mfg. Co.....45&2½50%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps.
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....

Spoke Shaves—
Iron.....45%
Wood.....70%
Bailey's (Stanley R. & L. Co.) 5 & 10%
Seymour Smith & Sons, Iron.....30%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 75&10 @30%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co.. 40&15&5%
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50&10%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60&6%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&15&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60&10%
Boardman's Nickel Silver60&7½&5%
Boardman's Britannia Spoons, case lots.....60&10% cash

Springs—
See Door Springs.

Squares—
Steel and Iron..... } .....75&10 @30%
Nickel-Plated..... }
Try Square and T Bevels60&10&10%
Disston Try Square and T Bevels. 5 @50&10%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....30@35%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples.....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—⅜ inch and larger ₩ lb.....7c@7½c
Barbed Blind—⅜ inch, ₩ lb..8c@8½c
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....3½%
Butterfield's Goods.....35%
Lightning Screw Plate..... 25@30%
Reece's New Screw Plates.... 25@30%
Reversible Ratchet.....25%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
Papered, Dozened and M's. Straight Weights. Full Half and Quarter Weights, 2% for cash.

Star weights (**) 5% extra; Standard weights (***) 10% extra, and top class weights (****) (tinned and coppered carpet tacks only), 10 and 15% extra.

Carpet Tacks:
American, tinned.....80&3 5%
American, tinned and copp'd..85& 3½%
Steel blued and bright.... 85& 5%
Steel, tinned and copp'd...8 &33⅓%
Swedes Iron, S.S, blued.8 & 3 ½ & 10%
Swedes Iron, S.S., tinned.8 & 3½&10%
Swedes, Iron, Lanc., blued...87½%
Swedes, Iron, Lanc., tinned..87½%
American, Iron, D.m.....85& 5&5%
Swedes Iron Tacks:
S. S., blued.....87½%
S. S., tinned.....87½%
Lanc, blued.....8 &2%
Lanc., tinned.....8& &20%
Upholsterers' Tacks:
S. 90%
Lanc.....8 &5%
Gimp Tacks:
S. S., blued.....9 &15%
S. S., tinned.....90&10%
Lanc., blued.....8 & 30%
Lanc., tinned.....85& 5%
Trimmers Tacks:
Lanc.....80&20%
S S.....85%
Looking Glass Tacks.....70%
Leathered.....6 %
Lace Tacks.....40%
Blued and tinned.....8 &35%
Basket Tacks.....62½%
Berry Box Tacks.....62½%
Trunk Tacks:
S. S.....66⅔%
Lanc.....62½%
Miners' Tacks, S. S.....66⅔%
Bill Posters' and Railroad Tacks:
S. S.....66⅔%
Lanc.....62½%
Brush Tacks, bulk.....87½& 5 M's.....75&15%
S. S.....55%
Lanc.....5 %
Hungarian Nails.....80&2 %
Common and Patent Brads.....80%
Finishing Nails.....57½%
Trunk and Clout Nails.....57½%
Basket Nails.....5%
Chair Nails.....45%
Cigar Box Nails.....45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓&2% cash.
F. H. Cobblers Nails:
4½-8in., and shorter, ₩ 100 lb $17.60
⅝ in. and longer, ₩ 100 lb....$1 .90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No. 18 & 19.	17 & heavier.
2-8&2½-8 in.	$64 90	$44 10
3-8&3½-8 in.	55.50	3 .00
4-8& longer,	44.50	36.10

MISCELLANEOUS—
Double Point.. ....85&10@85&10&5%
Wire Carpet Nails.....80&10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₩ box $1.50
Claw Handle Carpet.....₩ gr $4.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 50 & 2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 5 & 2%.
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&2%
Miniature Keg Tacks..66⅔&33⅓&2%
Upholsterers' Nails.....50&10%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50

Tapes, Measuring—
Lufkin's Steel and metallic.....40%

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Tin, Perforated—
Harrington & King Perforating Co.: 10 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1.20
6	$6.95	$1.15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887.....70&10@70&25%

Trammel Points—
Cook's.....25%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%
Sargent's.....70&10@70&10&10%
Backus and Union.....40%
Prentiss'.....20@25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T.. $3.50
Single rail Car, Single Steel T. $3.50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Single Rail Steel Track with clamps, ₩ ft..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz. $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.. .....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Floor Hooks, ¾ in. ₩ doz..... .65
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Wrought Rafter Brackets, ₩ doz..... .45
Malleable Rafter Brackets, ₩ doz..... .45
Rope Hitch. ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida Pattern..... .75&10@75&10%
Newhouse.....40&10@50&5%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....50&10@50%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 8@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire. ₩ doz $1.50, 10%
Mouse, Cage, Wire. ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza....₩ doz 90c@$1.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₩ doz. 65c.; in full cases..... 60c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross, $12.50
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat.....₩ gross $15.00
Household.....₩ gr $10.00
Erie Rat.....50%
FLY—
Balloon, ₩ doz $1.50.....₩ gr. $12 50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..25 @25&10%
Peace's Plastering.....21@25&5%
W. & McP. Plastering.....25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....25@33⅓%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
Solid Box.....50&10@50%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@40&10%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Massey's Quick Action.....20@25%
Bonney's.....50@50&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15.00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations: Toy Whips, all kinds ₩ gross. $2.00@$7.50
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving 4½ ft., $8.00; 5 ft., $9.00; 5½ ft., $22 00; 6 ft., $24.00; 6½ ft., $27. 0; 7 ft., $30.00; 7½ ft., $33.0; 8 ft., $38.00.
Eureka, Two-thirds Whalebone, 5½ ft., $15.00; 6 ft., $ 6.50; 6½ ft., $18 00; 7 ft., $2 .00.
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.0 ; 7 ft., $15.00.
American Standard, 4½ ft., $8.0 ; 5 ft., $8.50; 5½ ft., $9.50; 6 ft., $10.5 ; 6½ ft., $12.00; 7 ft., $ 3.5 ; 7½ ft., $15.0 ; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $5.00; 5 ft., $5.00; 5½ ft., $5.50; 6 ft., $7.00; 6½ ft., $7..0; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors.....5 ft., $6.00
American, 93 Pen Whip, 6 ft., $5.00
Gents' Light Driving, No. 111, 6 ft.....$5.00
Gents' Light Driving, No. 106, 6 ft.....$5.00
Hand-Made Stocked Java, No. 103.....5½ ft., $3.75; 6 ft., $4.00
Team Whips....₩ doz $2.0 @$7.50

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@ 80%
Cop'd, Nos. 0 to 18, 75& @75&10&5%
Galv., Nos. 0 to 18.....75&10@75%
Tin'd, Tinned list Nos. 0 to 18..75 &10@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb.....4½c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass.....30@30&5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to £ 30%
Steel Music Wire, Nos. 12 to 30, ₩ lb.....6 @70c
Tate's Wire Picture Cord Braided and Twisted.....8 @10&10%
Picture Wire.....New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft., $1.3 @$1.40
Galvanized Wire Netting....80&10 @8 & 25%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List.
Iron.....20&2½%
Iron, Galvanized.....20&2½%
Cast-steel.....20&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....60@60 &5%
Nickel.....40& @50%
Heavy.....50%
Alligator.....60& 10%
Hercules.....70%
American Adjustable....4 @40&10%
Armstrong's.....40%
Baxter's Adjustable "S" 7 @70&10%
Baxter's Diagonal.....80@60&10%
Coes' Genuine.....5 & @50&10%
Coes' "Mechanics'"...50& 10& @30%
Girard Standard.....65&10@70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black 40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $2 50@2.60 60%
Boardman's.....3 3½%
Always Ready.....33⅓&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%

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Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....30%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes -

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1894, 2%
C. Ilby Wringer Co., list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2%
Peerless Mfg. Co., list Feb., 1892...2%
National Wringer & Mfg. Co., list Jan. 1, 1895.....2%

NOTE.—On lots of 1 dozen a discount of 10. is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in bbls. ℔ gal. 42c
Linseed, City, Boiled, " ℔ gal. 45c
Out of Town on Spot.....℔ gal. 40c
Calcutta, Raw, in bbls.....℔ gal. 47c
Lard, Prime City.....℔ gal. 50@51
Western, Prime.....50@51
Extra, No. 1.....40@44
No. 1.....37@39
No. 2.....33@35

Paints and Colors—

Barytes, Prime White, ℔ ton, $14.00@$17.00
Barytes, Foreign Floated, ℔ ton, $15.00@$18.00
Barytes, Domestic Floated, ℔ ton $23.00@$24.00
Barytes, Off Color, ℔ ton, $10.00@$13.00
White Lead, American, Dry, ℔ ℔ 4½@ 5c
White Lead, American, in Oil, ℔ ℔.....5½@5¼c
White Lead, English, in Oil, ℔ ℔ 5½@5¾c
Litharge, American Powdered, ℔ ℔.....4¾@5¼c
Litharge, English Flake, ℔ ℔ 7¼@8 c
Litharge, Glassmakers', ℔ ℔ 4¾@5½c
Zinc, American, Extra Dry, ℔ ℔ 3¾@4½c

Putty—

Putty in Bulk.....$1.45@$1.70
Putty in Bladders.....$1.65@$2.00
Putty in Tins.....$2.00@$2.50

Spirits Turpentine—

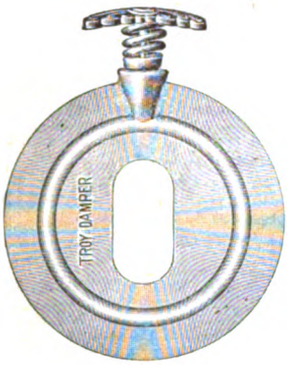
Spirits Turpentine, ℔ gal..28@28½c

Dry Colors

Blue, Chinese.....℔ ℔ 35 @40 c
Blue Prussian.....℔ ℔ 30 @35 c
Blue, Ultramarine..℔ ℔ 7 @25 c
Brown, Sienna, American, burnt.....℔ ℔ 1¼@ 1½c
Brown, Sienna, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Umber, American burnt.....℔ ℔ 1¼@ 1½c
Brown, Umber, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Vandyke, German.....℔ ℔ 2¾@ 5¾c
Brown, Vandyke, American.....℔ ℔ 1¾@ 2¼c
Green, Chrome, Common.....℔ ℔ 5 @ 6 c
Green, Paris.....℔ ℔ 20 @26 c
Indian Red, Staadard, American....℔ ℔ 2 @ 3 c
Venetian Red, English Prime.....℔ ℔ $1.75@$1.90
Yellrw, Chrome.....℔ ℔ 16 @25 c
Yellow, Ocher, Fre'ch ℔ ℔ 1 @ 1¾

Colors in Oil—

Black Coach Japan ℔ ℔..18½@20 c
Black Coach Japan in Oil.....℔ ℔ 12 @13 c
Black Drop.....℔ ℔ 7½@10 c
Black Lampblack, prime, ℔ ℔ 27 @33 c
Black Lampblack, medium.....℔ ℔ 15 @20 c
Black Lampblack, 2d quality.....℔ ℔ 13 @19
Black, Lampblack, low grade.....℔ ℔ 6½@10 c
Blue, Chinese.....℔ ℔ 35 @40 c
Blue, Prussian.....℔ ℔ 20 @40 c
Blue, Ultramarine..℔ ℔ 12 @1 c
Brown, Sienna bur't ℔ ℔ 7 @10 c
Brown, Sienna, raw.℔ ℔ 7 @10 c
Brown, Umber, bur't ℔ ℔ 7 @10 c
Brown, Umber raw .℔ ℔ 7 @10 c
Brown, Vandyke....℔ ℔ 7 @11 c
Green, Chrome.....℔ ℔ 8 @14 c
Green, Paris.....℔ ℔ 16 @18½c
Red, Indian.....℔ ℔ 12 @15 c
Red, Venetian.....℔ ℔ 4½@ 8 c
Yellow, Chrome.....℔ ℔ 13 @18 c
Yellow, Ocher, Fre'ch ℔ ℔ 4½ c



Don't Your Jobber Keep This Damper?

"WELL"

If he don't, send to us and we will give you the name of one who do and will be glad to do Business with

YOU

We don't want any one to get left on a Good Thing.

TROY NICKEL WORKS,

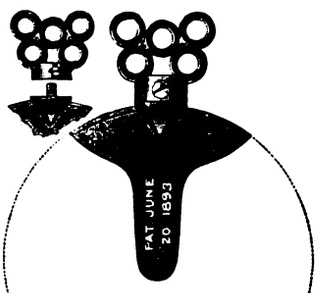
TROY, N. Y.

Makers of Alaska Stove Trimmings.

ORIGINATORS

ALASKA

STOVE HARDWARE



COLUMBIA DAMPER CLIP.

Simplest, Best, Cheapest.

Cannot be put together wrong.

TRILBY OIL HEATER.

Best, Largest, Cheapest.

THREE STYLES.

Gas Heater Unequalled in Appearance and Utility.

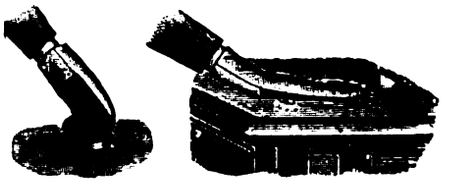
MANUFACTURED MICA GOODS OF ALL KINDS.

BEST AND CHEAPEST OYSTER KNIVES IN THE MARKET.

GEO. T. MOE & CO.,

52 N. Second Street, Philadelphia, Pa.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.

Manufrs. of Useful Adv. Mediums.

Pflueger's Luminous Baits



Are recognized as the GAME FISH KILLERS of the WORLD.

Made in all desirable forms of lure, such as

Trolling Spoons, Casting Baits and Spinners. Rubber Baits to represent all kinds of Insects, Frogs, Dobsons, Minnows. Flies, Leaders, Snells, Floats, Sinkers, Furnished Lines, Fly Cream and other allied Specialties for Fishing and Out-Door Sport.

Luminous Bait possesses the happy combination to Catch Fish in deep and roily waters, cloudy days and after dark; also is more effective than any other make for day use.

Our 96-page Illustrated Catalogue mailed free for the asking.

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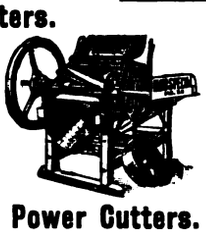
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Ohio Line Feed Cutters.



Horse Powers Engines, Feed Mills and Steam Cookers.

Hand Cutters.



Power Cutters.



Ensilage Cutters and Carriers.

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THE GEO. W. STANLEY CO.,

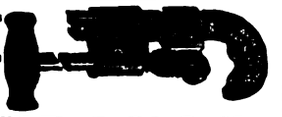
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Manufacturers of

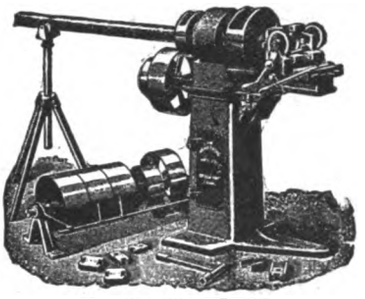
Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

YOUR STOCK IS NOT COMPLETE

Without a Line of

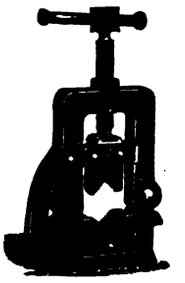


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No. 2½ MACHINE.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



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CLENDENIN BROS., BALTIMORE, MD.



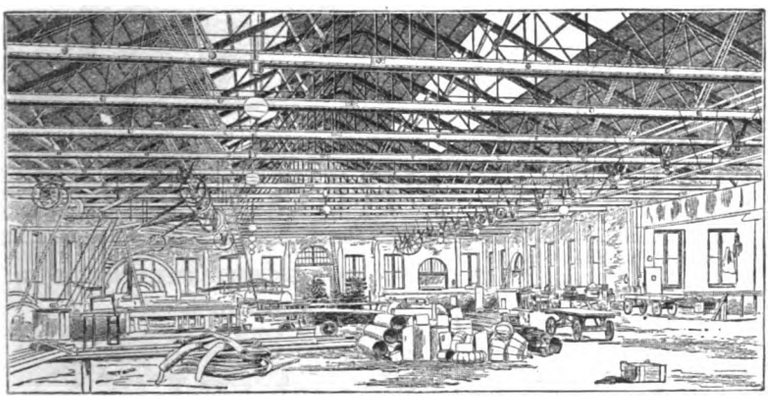
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Against sneak thievery by the use of

Shepardson's Key-Hole and Baggage Guard.

Sample by mail 75 cents. Illustrated circular and price list sent on application.

KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.



The above illustration is taken direct from a photograph, and shows the construction of an Iron Truss Roof designed and built by us for The Coe Brass Mfg. Co., at Torrington, Conn., over their Tube Mill. The building is 100 feet in width by 200 feet in length, the roof trusses not only being designed to carry shafting, but also are built of sufficient strength to move heavy machinery about the room.

THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders of

Iron and Steel Buildings, Roofs,

Bridges, etc., etc.

Send for Illustrated Catalogue.



The above illustration, taken direct from a photograph, shows the construction of a Parabolic Truss Bridge designed and built by us between the cities of Saco and Biddeford, Maine. The bridge consists of six spans of 55 feet each, with a roadway 22 feet wide in the clear, and one sidewalk 8 feet wide in the clear.

Office and Works, East Berlin, Conn.

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Perforated Filter Press Plates.

THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

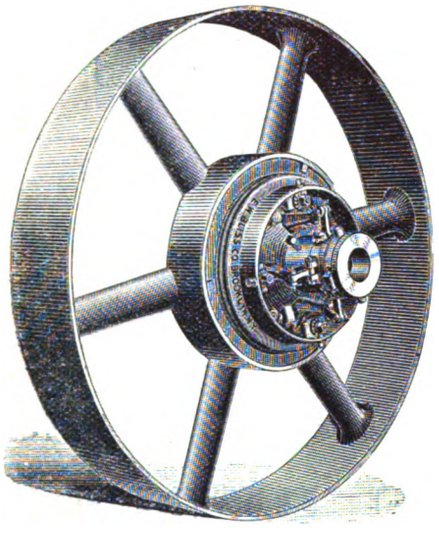
For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

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CHICAGO OFFICE, 96 W WASHINGTON ST.

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PRESSES, DIES AND SPECIAL MACHINERY.

FOR

ALL KINDS OF

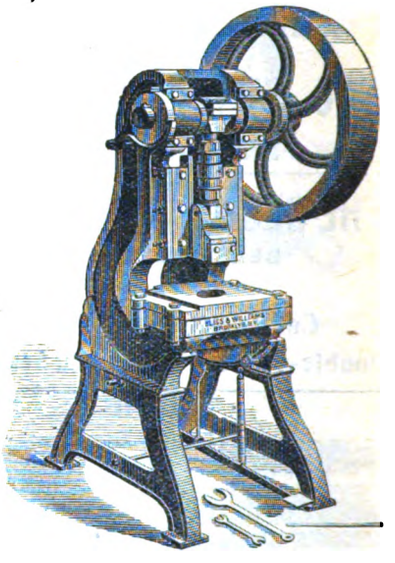
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MAKERS OF THE

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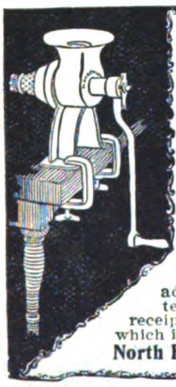
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SEND FOR CATALOGUE.



—OWNERS OF—

THE STILES & PARKER PRESS CO.



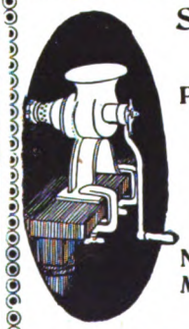
Kitchen Waste...

can be made into dainty dishes by using the new

Perfection Cutter

Mrs. Rorer of the Philadelphia Cooking School, tells how, in her book of receipts—"Dainty Dishes"—which is yours for the asking.

North Bros. M'f'g. Co., Phila.



Serve Better Meals

and yet reduce your food bills. Easy to do if you own a new

Perfection Cutter.

How to do it is told in "Kitchen Knacks," with recipes by Mrs. Rorer. Mailed free.



North Bros. M'f'g. Co.

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THE New Perfection Cutter

WON'T CHOP WOOD,

But it will chop about everything that requires chopping in the kitchen, and **do it right.** . . . . . .

It is being advertised in leading magazines, etc., as shown above.

Information to be had for the asking.

SOLD BY LEADING JOBBERS Throughout the United States.

MANUFACTURED BY NORTH BROS. MFG. CO., PHILADELPHIA, PA.

New York Agents: JOHN H. GRAHAM & CO., 113 Chambers St.

MERK CHRISTMAS TREE HOLDER.

BUY THE BEST.



Christmas Comes But Once a Year.

If you want to make your home pleasant and cheerful during the holidays **Buy a Merk Christmas Tree Holder,** made of iron, neatly finished in gold bronze. By an ingenious contrivance the tree is held secure by strong arms which extend upward from the main body of the receptacle in which it is placed. The tree can be revolved. Sample tree holders sent by express prepaid upon receipt of $1. Packed in quarter and half dozen crates for shipment. Manufactured and sold only by the

Allentown Hardware Works, Allentown, Pa.

Brass Bronze Composition and Light Gray Iron Castings. Manufacture a full line of general **Builders' Hardware.**

Hardware dealers and others are requested to write for descriptive circulars and wholesale prices. Also manufacturers of **Refrigerator Locks and Trimmings,** of new, beautiful design, finish and of the latest pattern.

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HARDWARE BUYERS' DIRECTORY.

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Air Clothes Washers.
E. M. Heathman & Co, Hamilton, O.

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Scovill Mfg. Co., Waterbury, Conn.

Animal Pokes.
Richard W. Montross, Galien Mich.

Annunciators.
Partrick & Carter Co, Philadelphia, Pa.

Anti-Friction Metal.
Theo. Hiertz & Son, St. Louis, Mo.
Magnolia Metal Co., New York.

Anvils
Van Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

Apple Parers.
Reading Hardware Co., Reading, Pa.

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Bridgeport Gun Implement Co., New York.
Alfred Field & Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
Iver Johnson's Arms & Cycle Works, Fitchburg, Mass.
John P. Lovell Arms Co, Boston.
Parker Bros., Meriden, Ct.
Remington Arms Co, New York.
Union Metallic Cartridge Co., Bridgeport Conn.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Baths, Portable.
Crane Bros., Westfield, Mass.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
John H. Graham & Co., New York.
New Departure Bell Co., Bristol, Ct.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

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Defiance Bicycle Co., Defiance, O.
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Eclipse Bicycle Co., Elmira, N. Y.
Fenton Metallic Mfg. Co., Jamestown, N. Y.
John H. Graham & Co. New York.
Geo. Hilsendegen, Detroit, Mich.
Hulbert Bros. & Co., New York.
Hunt Mfg. Co, Westboro, Mass.
Indianapolis Chain & Stamping Co., Indianapolis, Ind.
Iver Johnson's Arms & Cycle Works, Fitchburg, Mass.
Liberty Cycle Co., New York.
John P. Lovell Arms Co., Boston.
John McClave & Son, New York.
Monarch Cycle Mfg. Co., Chicago.
Morgan & Wright, Chicago.
New Departure Bell Co., Bristol, Conn.
New York Belting & Packing Co., Ltd., New York.
Overman Wheel Co., Boston, New York, Detroit, Denver, San Francisco, Los Angeles, Port and.
Pope Mfg. Co., Boston.
Quadruped Novelty Co, Canton, O.
Quincy Cycle Co., Quincy, Mass.
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rochester Cycle Co., Rochester, N. Y.
Rouse, Hazard & Co., Peoria, Ill.
Sager Mfg. Co., Rochester, N. Y.
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Smith & Egge Mfg. Co., Bridgeport, Conn.
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Zenith Cycle Co., Binghamton, N. Y.

Bicycle Step Ladders.
Bicycle Step Ladder Co. Chicago.

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Butterfield & Co., Derby Line, Vt.

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Miner & Peck Mfg. Co., New Haven, Ct.

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Scovill Mfg. Co., Waterbury, Conn.

Brass, Manufacturers.
Waterbury Brass Co., New York

Brass, Perforated.
Harrington & King Perforating Co., Chicago.

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Berlin Iron Bridge Co, East Berlin, Conn.

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Divine Bros., Utica, N. Y.

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Sargent & Co., New York and New Haven, Conn.
Stanley Works, New Britain, Ct.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Carpet Stretchers.
Richard W. Montross, Galien, Mich.

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich; New York.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

Cement.
New York Belting & Packing Co., Ltd., New York.

Chains.
Rome Brass & Copper Co., Rome, N. Y.

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Clay Screens.
Harrington & King Perforating Co., Chicago.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clock Springs.
Wallace Barnes, Bristol, Conn.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Edward Darby & Sons, Phila., Pa.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co, Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.
Meriden Malleable Iron Co, Meriden, Conn.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York
Derby Razor Co. New York and Derby, Conn.
Alfred Field & Co., New York.
Goodell Co, Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
Wm. Schollhorn Co., New Haven, Conn.
J. Wiss & Sons, Newark, N. J.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Damper Clips.
Geo. T. Moe & Co., Philadelphia,

Dies.
E. W. Bliss Co, Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co, Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
J. Bardsley, New York
John Chatillon & Sons, New York
Norton Door-Check & Spring Co., Boston.
Russell & Erwin Mfg Co., New York.
Sargent & Co., New York and New Haven, Conn.

Door Knobs, Wood.
J. Bardsley, New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Speidel & Roeper, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham & Co., New York.
Partrick & Carter Co., Philadelphia Pa.
Stanley & Patterson, New York
Union Electric Co., Cleveland, O.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.
Sterling Emery Wheel Mfg. Co. Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York.

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.

Filter, Water.
J. H. Seed, New York.
F. H. Weeks, Akron, Ohio.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N. Y, Chicago, Georgetown, Conn.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Folding Plant Stands.
M. D. Jones & Co., Boston.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gasoline Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.

Gate Hinges, Latches, etc.
Wrightsville Hardware Co., Wrightsville, Pa.

Gears.
T. F. Welch & Co., Boston.

German Silver.
Scovill Mfg Co., Waterbury, Conn.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland,

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammocks.
Bruce R. Ware & Co., Boston.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sargent & Co., New York and New Haven Conn.
Sickels, Sweet & Lyon, New York.
Supplee Hardware Co., Philadelphia.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Diamond Cutlery Co., New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co, Hamilton, O.
T. W. Houchin, New York.
Klages & Co., New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg.Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
Sargent & Co., New York and New Haven, Conn.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Scovill Mfg. Co., Waterbury, Conn.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Boston.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Nozzles.
Allentown Hardware Works, Allentown, Pa.
American Ball Nozzle Co., New York, San Francisco.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg.Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Diamond Cutlery Co., New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Bradley & Hubbard Mfg.Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Geo. T. Moe & Co., Philadelphia.
Plume & Atwood Mfg. Co., New York.

Lasts, Iron.
Root Bros. Co., Plymouth, O.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.

Lemon Squeezers.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co, Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Billings & Spencer Co., Hartford, Conn.
Miner & Peck Mfg. Co., New Haven, Ct.
Scranton & Co., New Haven, Conn.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mica Goods.
Geo. T. Moe & Co., Philadelphia.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Planes.
Samuel I. Goodall Co., Philadelphia.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Leavett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.
Edward Darby & Sons, Philadelphia.

Rakes.
Ashtabula Tool Co., Ashtabula, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Repair Outfits,
Root Bros. Co., Plymouth, O.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Blake & Johnson, Waterbury, Conn.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Roof Snow Guards.
Folsom Snow Guard Co., Boston.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Balances.
Gardner Sash Balance Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.
Bruce R. Ware & Co., Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis, Ind.
Henry Disston & Sons, Philadelphia.
Millers Falls Co., New York.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Gilfillan Scale Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shaft Coupling.
C. C. Bradley, Jr., Syracuse, N. Y.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Klages & Co., New York
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y
Wyoming Shovel Works, Wyoming, Pa.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Barney & Berry, New York, Boston Springfield, Mass.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
A. G. Spalding & Bro., New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleigh Bells.
Chapman Mfg. Co., Meriden, Ct.

Snow Guards.
Folsom Snow Guard Co., Boston.

Snow Shovels.
A. J. Phillips Co., Fenton Mich.

Solder.
Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
J. Bardsley, New York.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.
Oster Mfg. Co., Cleveland, O.

Stoneware.
F. H. Weeks, Akron, O.

Stove Pipe.
Geauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Cleveland Block Co., Cleveland, O.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tack and Nail Machines.
Kimbal Bros. & Co., Boston.

Tapes.
Boston Tape Mfg. Co., Boston.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.

Telephones.
Union Electric Co., Cleveland, O.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Ashtabula Tool Co., Ashtabula, O.
E. C. Atkins & Co., Indianapolis, Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Henry Disston & Sons, Philadelphia.
Samuel I. Goodall Co., Philadelphia.
Th. M. Hass, New York.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.
Ward & Gilmore, Le Roy, N. Y.

Tubes, Seamless Drawn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Twines.
Bruce R. Ware & Co., Boston.

Varnish.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.

Vises.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Tower & Lyon, New York.

Wagon Jacks.
Lane Brothers, Poughkeepsie, N.Y
Charles Morrill, New York.

Washers.
Klages & Co., New York.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.

Watches.
Robert H. Ingersoll & Bro., New York.

Weather Strips.
E. I. Church & Co., West Hanover, Mass.

Wheelbarrows.
Bryan Mfg. Co., Bryan, Ohio.
Kilbourne & Jacobs Mfg. Co., Columbus, O.
Toledo Wheelbarrow Works, Toledo, O.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Window Screens.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.

Window Springs.
E. A. Worthen, Burlington, Vt.

Wire, Manufacturers.
American Wire Co., Cleveland, O.
Bruce & Cook, New York.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

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Clinton Wire Cloth Co., Clinton, Mass.
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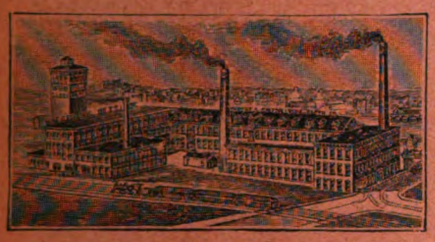
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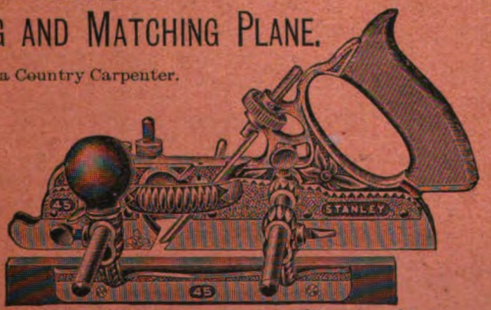
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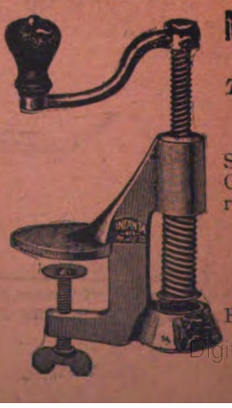


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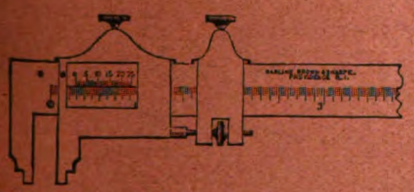


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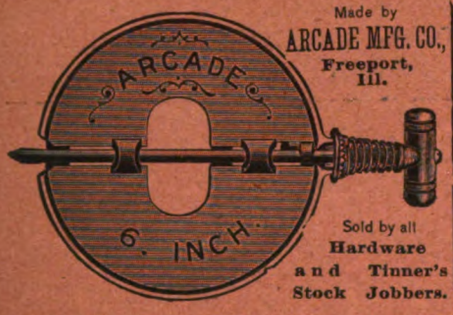
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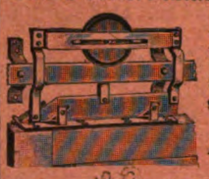
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High Grade
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CORK SCREW,
WITH WIRE CUTTER.



It's the Leader
No other Screw Equals it
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NO PULLING REQUIRED.
Turns the Cork Out.
Every Dealer should have this Screw in stock.

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Tools, Metals, Supplies.
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CABLE ADDRESS "BUNDLET NEW YORK."



WITH THIS SCREW LADIES CAN DRAW TIGHT CORKS EASILY.

WILLIAMSON'S
NEW POWER CORK SCREW.
Pulls the Cork out of the Bottle.
DIRECTIONS FOR USE:
KEEP ON TURNING, DO NOT PULL.

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" 1443 " " Rosewood " .....$5.50 " "

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ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded ORANGE RIFLE EXTRA.

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so-called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

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In buying Shells for shot guns, ask for those loaded with "ORANGE EXTRA."

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STEEL WIRE NAILS.

A Large Stock Constantly on hand for Immediate Shipment.

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Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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"V. G. P." NEW TRAP POWDER. "V. G. P."
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Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

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Of a quality to meet requirements of U. S. Army and Navy.

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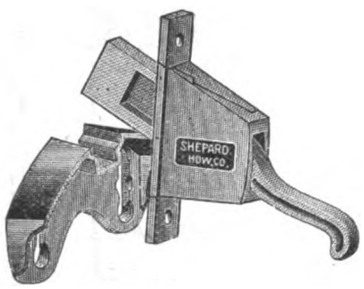
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Our High Explosives are Standard and Guaranteed to run Uniform.

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☞We are the SOLE Manufacturers.

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HALL'S IMPROVED PIPE WRENCH.

DO YOU SAY that this wrench will crush or cut the pipe? IT WILL NOT if you know how to use it. The principal cause of Pipe Wrenches crushing or cutting the pipe is because the GRIPPING POINTS ARE DULL. You can sharpen THIS WRENCH IN A FEW MINUTES on a



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THIS WRENCH if kept sharp will grip high on the pipe, and you can screw a pipe so tight that it will open a malleable fitting, and strip the thread, WITHOUT CRUSHING OR CUTTING THE PIPE.

It is impossible to LOCK OR WEDGE THIS WRENCH on the pipe.

It will COST LESS FOR REPAIRS than any other Pipe Wrench.



IT IS THE BEST SCREW WRENCH, as it is stronger than any other, and by pulling the reverse way it will grip a nut or fitting and WILL NOT SLIP.

It is DROP-FORGED from TOOL STEEL.

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Of Every Description Adapted to Mechanical Purposes.

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OUR "U. S." BRAND OF HOSE IS UNEXCELLED.

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Mention "HARDWARE" when you write.

BOSTON BELTING CO.



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James Bennett Forsyth
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WE know you have been looking for it but haven't had time to tell you about it before.

L arge tubing.		**S** prockets detachable.
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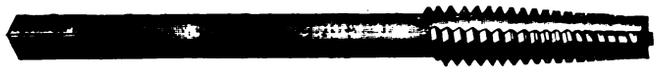
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New York Cycle Show spaces, 6 & 7.

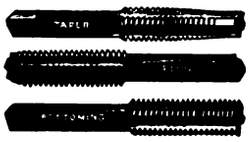
Chicago Cycle Show spaces, 215 & 216.

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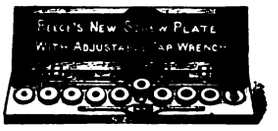
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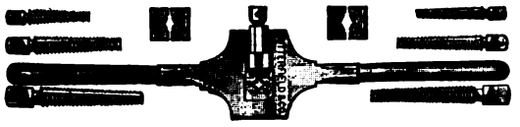
Butterfield & Co.,

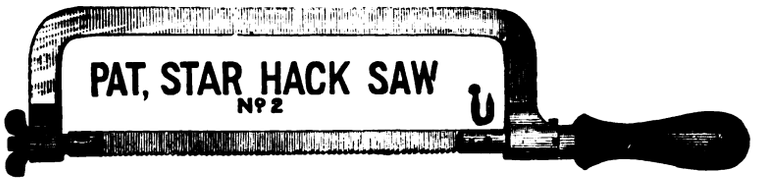


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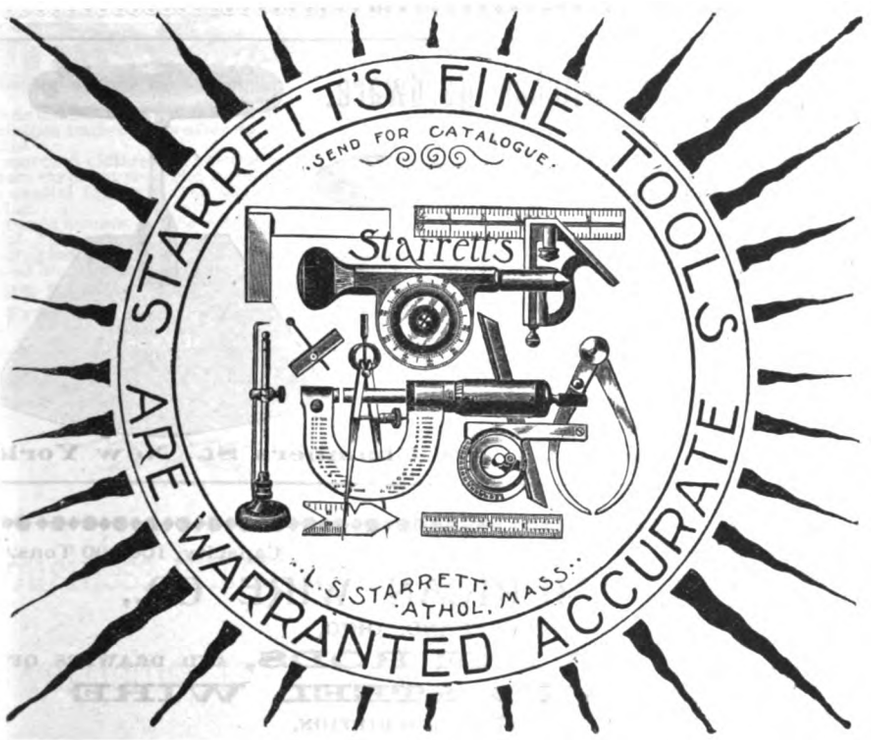


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Are used in nearly all of the Iron Working Shops in this country and Europe. Now we wish to introduce them to the Farmers and Householders generally. They will cut Iron, Steel, and Wood equally well. One blade which costs five cents, will cut off an inch-square bar of iron 100 times without filing. They will do most of the work of a file at one-tenth of the cost All of our best blades are rounded at the ends and stamped with a star.

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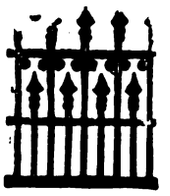
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FENCING, CRESTING
STABLE FIXTURES,
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WEATHER
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DO YOU CARRY A STOCK OF IRON FENCING

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Sand Papers IN Reams and Rolls

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Hair FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

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There are Two Classes of Rubber Belting, Packing and Hose:

MALTESE CROSS BRAND

AND OTHERS.

We are the Sole Makers of the MALTESE CROSS GOODS, but we make others too, and all at prices that you will find attractive.

THE GUTTA PERCHA AND RUBBER MFG. CO.,

ESTABLISHED 1855,

Mechanical Rubber Goods of Every Kind,

35 WARREN STREET, - - NEW YORK.

BRANCHES: CHICAGO. BOSTON. SAN FRANCISCO. PORTLAND, ORE.

FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,

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Braided Cord

Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

The Bradley Shaft-Coupling



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BUY A SELLER
SELL A WINNER

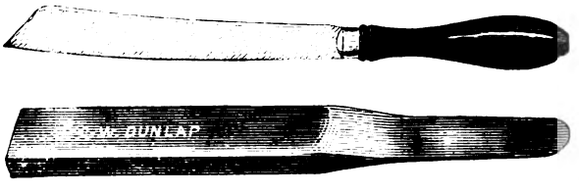
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No Bolts, No Nuts, No Screws, No Rubbers, No Wrench, No Rattle. Over 20,000 pairs in use. 12,000 pairs sold in 1895.

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Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

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MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

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OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
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HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

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NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

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CLIMAX WATCH



FOR

$2.00

American
Lantern
Pinion
Stem Wind
¼ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

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Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
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A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
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THE NATIONAL SAW CO.

GENERAL OFFICE— **NEWARK, N. J.**

Manufacturers of **SAWS** Of Every Description

Get the Best
Keep Posted

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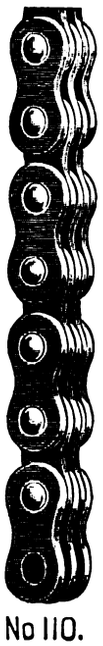
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Is an article worth the Dealer's attention and will pay them well to keep in stock. Address

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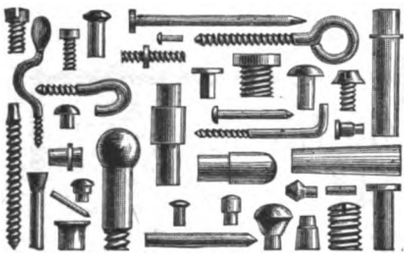

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Manufacturers of

SASH CHAINS. CABLE
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DRILL CHUCKS, CYCLE LOCKS,
TOE CLIPS,
AND ALL KINDS OF
Sheet Metal Novelties.


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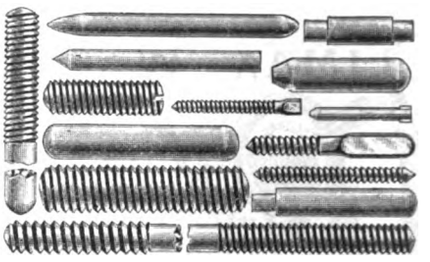


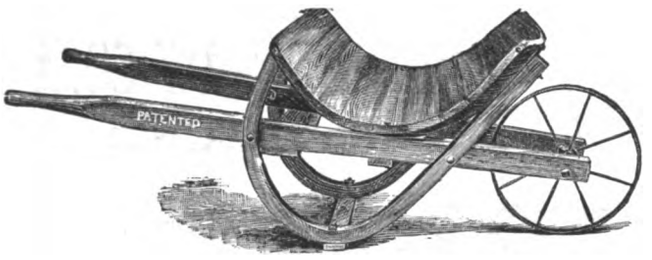
Iron & Brass Rivets,

STUDS, PINS, SCREWS,
&c.,

For Manufacturers of Light Hardware.

BLAKE & JOHNSON,
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Wheelbarrows

of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

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The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE
AMERICAN WICK
Made by the
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Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

The McCrum
Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.
312 Dorchester Ave.,
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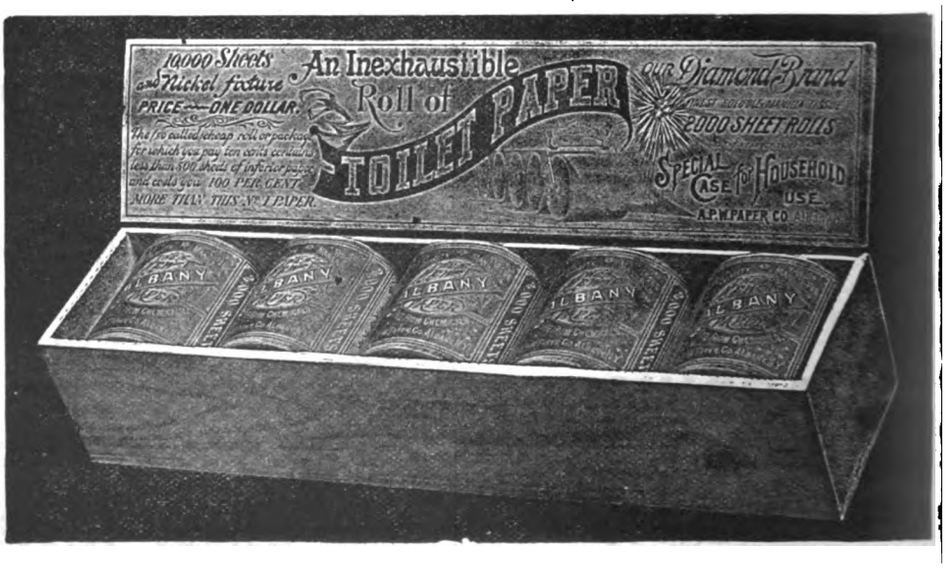
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Carpenters' Pencils
DIXON'S
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Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our 1895 Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.





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No. 971. Heater Complete. Height, 27 inches.

Banner Oil Heater

SIMPLE, NOVEL and PRACTICAL.

Requires less care than the ordinary Lamp.

Will burn 8 to 10 hours and heat comfortably a room 15 to 20 feet square.

NO SMOKE! NO ODOR! PERFECT COMBUSTION.

POINTS:

The Oil Fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking.

No Chimney. The drum of the **BANNER** in its construction acts as a chimney, saving the expense incident to the renewal of glass chimneys of other makes.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and ONLY ONE with feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness.

Lighting. It is not necessary to remove any part of the stove to light it. The sliding door in the drum is made for this purpose.

Draft. The round openings in the drum create great suction of cold air in addition to the regular draft. Double the radiating force of the ordinary stove is thus secured.

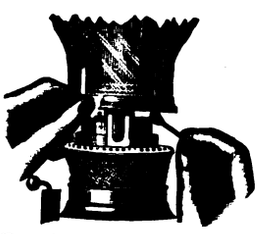
Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

*** SOLE MAKERS, ***

THE PLUME & ATWOOD MFG. CO.,

29 MURRAY ST., NEW YORK, U. S. A. 199 LAKE ST. CHICAGO.

The B & H LAMPS.



—Easy to Light— —As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

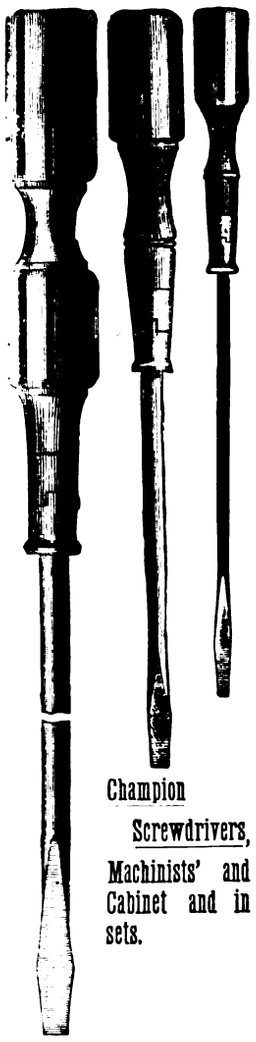
NEW YORK, 26 Park Place. **BOSTON,** 160 Congress St. **PHILADELPHIA,** Room 710, Betz Bldg. **CHICAGO,** 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

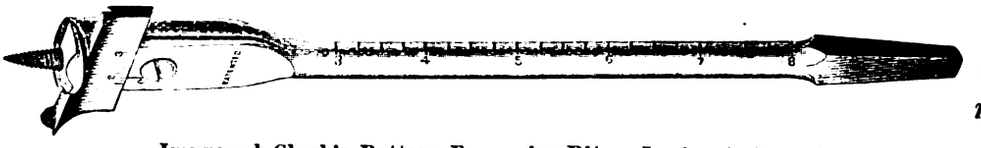


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Carpenters and Machinists' Tools.

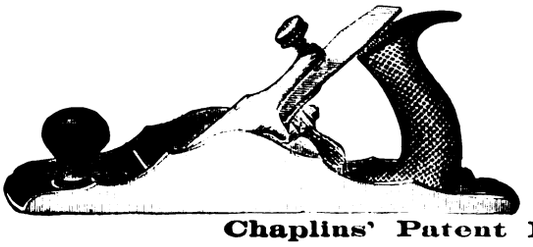


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





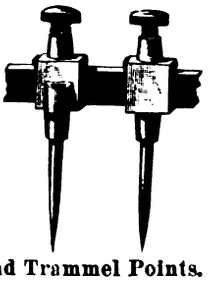
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.





Plumb Bobs and Trammel Points.

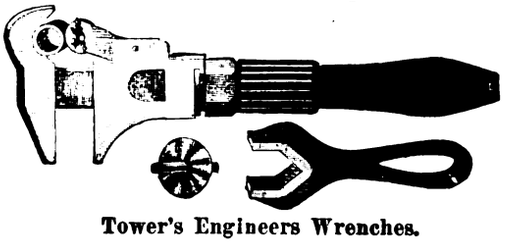




Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.

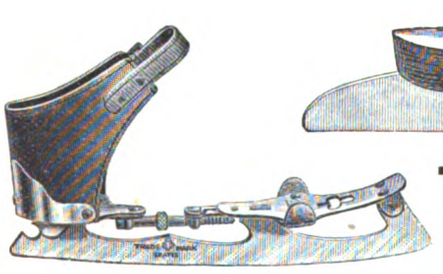


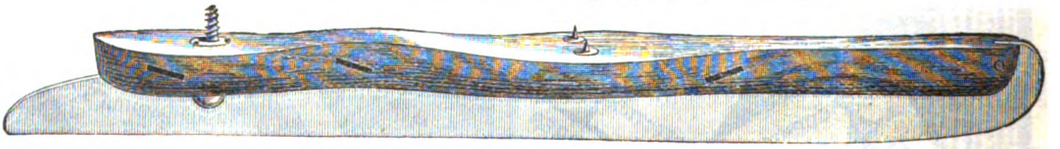
UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.

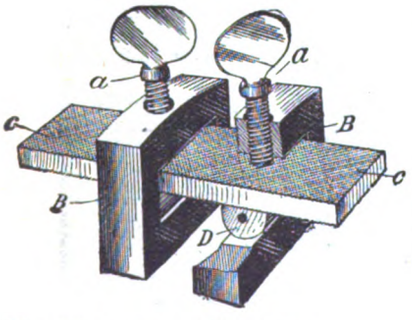




The Union Skate Sharpener

A New and Useful Article

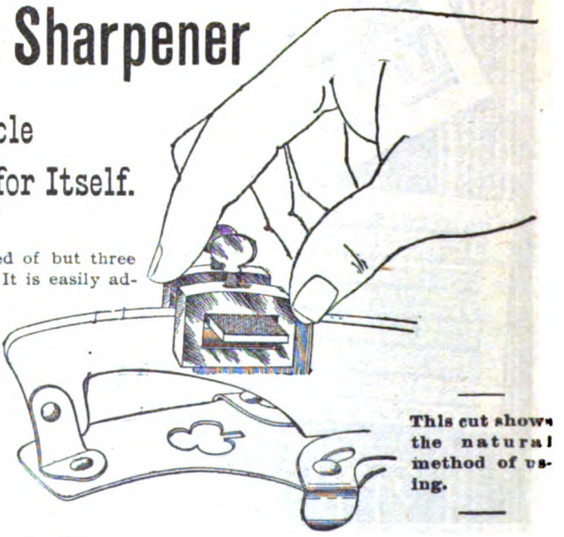
Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

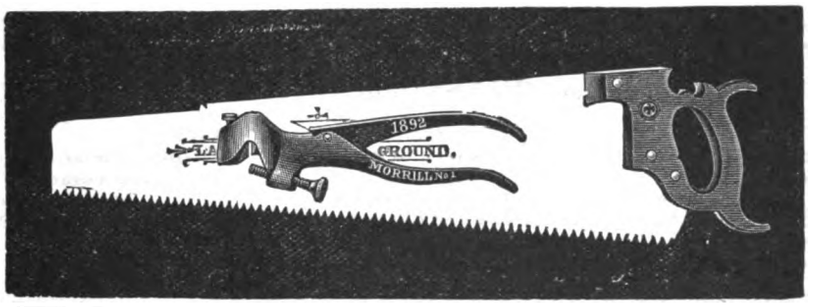
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?

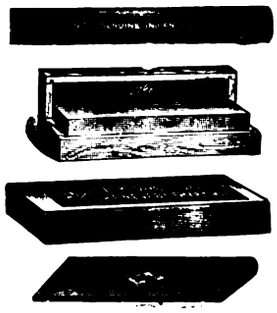
WE FURNISH COMPLETE OUTFITS,

THE HANSON & VAN WINKLE CO.,

CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

SHARP TOOLS are a NECESSITY to a good workman,
But without a GOOD WHETSTONE they are an impossibility
That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.
GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.
WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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F. KLAGES & CO., 107 Chambers Street, 91 Reade Street, New York City.

SOLE AGENTS FOR U S. AND CANADA FOR THE



Buchanan Brass Hardware Co., Limited,

Manufacturers of BRASS and BRONZE HARDWARE.

Door Pulls,
Shutter Bars,
Drawer Pulls,
Corner Plates,
Hook Sash Lifts,
Mirror Plates,
Flush Sash Lifts,
Plate Escutcheons,
Cabinet Escutcheons,
Fire Screen Hinges.

Moulding Hooks,
Fancy Box Hinges,
Refrigerator Hinges,
Fancy Cabinet Hinges,
Box and Chest Corners,
Brass and Zinc Washers,
Floor and Ceiling Plates,
Water Closet Seat Hinges.

SEND FOR CATALOGUE.

S Hooks,
Hinge Plates,
Stair Corners,
Stair Buttons,
Loose Pin Butts,
Strap Hinges,
Door Numbers,
Shelf Brackets,
Padlock Hasps,
Mending Straps.





Every Machine Guaranteed to Give Satisfaction.

The BOSS and ELI...
WASHERS.

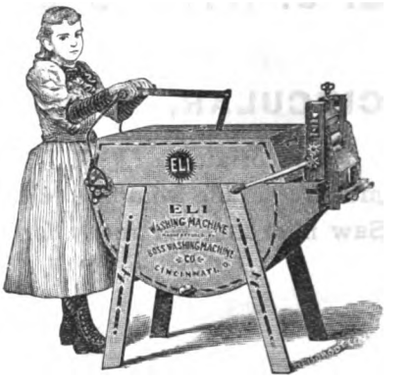
BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., Cincinnati, O.



The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

E. J. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity

Your Christmas Stock

Is Not Complete Without the



Cream City Flour Bin and Sifter.

Made of Heavy TIN.
Handsomely Ornamented.
All Salient Features Patented.

The best combined receptacle, sifter, mixer, aerator and preserver of Flour in the world.

Keeps Flour sweet and clean, sifts it out as wanted and never wastes a speck.

The only Bin made with detachable shield over the sifter. It keeps the pressure off the reels, ensures ease of operation and prevents grinding through of impurities. Three sizes, 25, 50, 100 pounds. Made only by the

Geuder & Paeschke Mfg. Co.,

Manufacturers of TINWARE, MILWAUKEE, WIS.

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LARGEST FILE AND RASP PRODUCERS IN THE WORLD.

NICHOLSON . .
GREAT WESTERN
X. F. (EXTRA FINE)
AMERICAN . . .

The Standard Brands.

FACTORIES AT
Providence, R. I.
Beaver Falls, Pa.
Pawtucket, R. I.

MAIN OFFICE AND ADDRESS:

NICHOLSON FILE COMPANY

PROVIDENCE, R. I., U. S. A.

OPERATING FOUR DISTINCT PLANTS.

Capacity, Equipment and Quality of Product Unequalled.

CABLE ADDRESS:
"NICHOLSON,"
PROVIDENCE, R. I. U. S. A.

OHIO "WATER TIGHT"

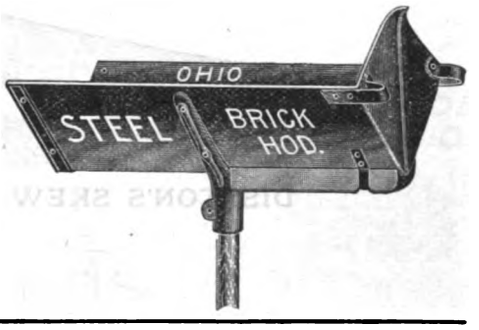
STEEL MORTAR and BRICK HODS



OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

Ohio "Water Tight' Steel Hod bodies are positively Water Tight. These bodies are the only ones made, folded from a single piece of sheet steel without cutting the metal, are reinforced on the edges and at the dumping point. By our special devised machinery we are enabled to furnish the strongest, lightest, most durable and only double end mortar and brick hods offered to the trade.

Our improved Malleable Iron Fork and Wooden Shoulder Saddle make it easier for the user to carry, or to attach a piece of cloth, should he so desire, to the under side of the saddle than the old style.

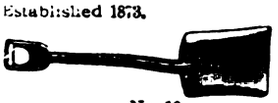


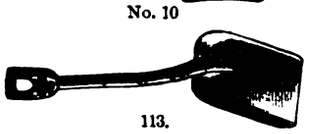
With our improved one piece Malleable Iron Fork and socket for holding the hardwood handle and taking up the shrinkage, a broken handle can be readily replaced, and hods shipped knocked down.

The Geauga Foundry and Mfg. Co.,

PAINESVILLE, OHIO.

Established 1873.


No. 10


113.

THE WYOMING SHOVEL WORKS,

MANUFACTURERS OF

Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.

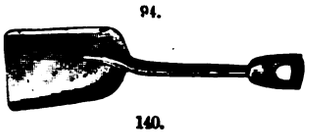
Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.

Office, WYOMING, PA. Works.

Catalogues furnished on application.

Incorporated June 29, 1893.


94.


140.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

Samuel W. Allerton, Prest.
C. C. Clarke, Sec'y & Treas.
A. Weed, Vice-Prest. & Gen. Manager.





Improved Increment Cut

THE BEST IN THE WORLD.

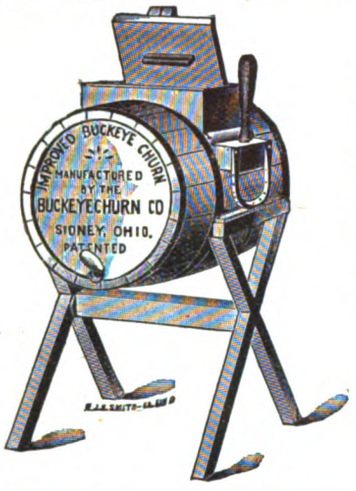
ANDERSON, IND.

New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO.

97 Chambers and 79 Reade Streets, NEW YORK.



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

Buckeye Churn Co.,

Sidney, Ohio.

JONES

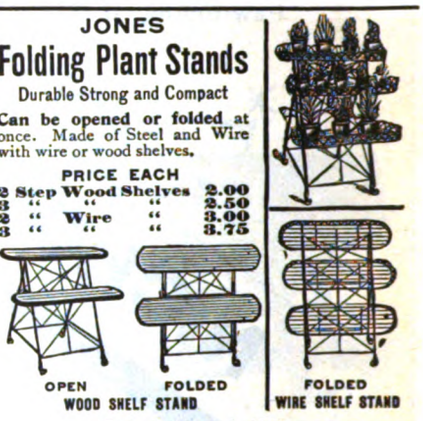
Folding Plant Stands

Durable Strong and Compact

Can be opened or folded at once. Made of Steel and Wire with wire or wood shelves.

PRICE EACH

2 Step	Wood Shelves	2.00
3 "	" "	2.50
2 "	Wire "	3.00
3 "	" "	3.75

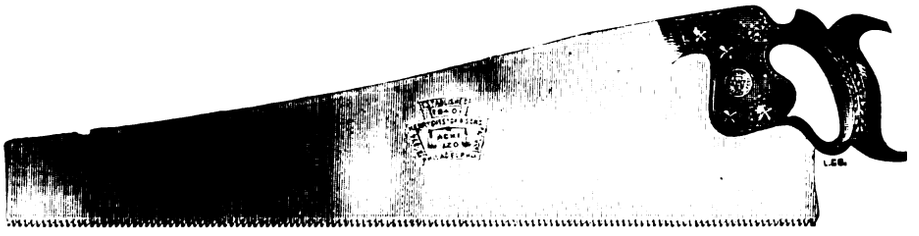


Patented Oct. 1, 1895.

Send for illustrated list, just out.

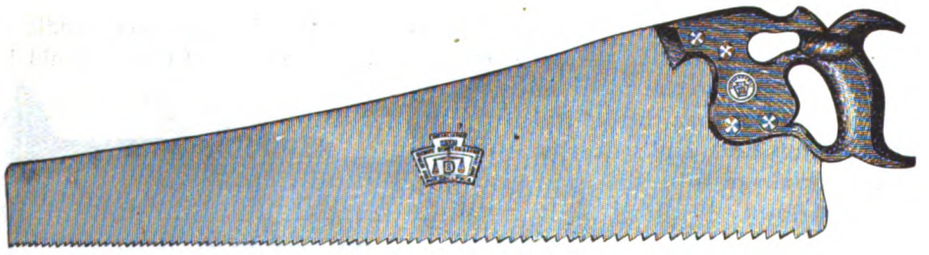
M. D. JONES & CO.,

368 Washington St., Boston, Mass

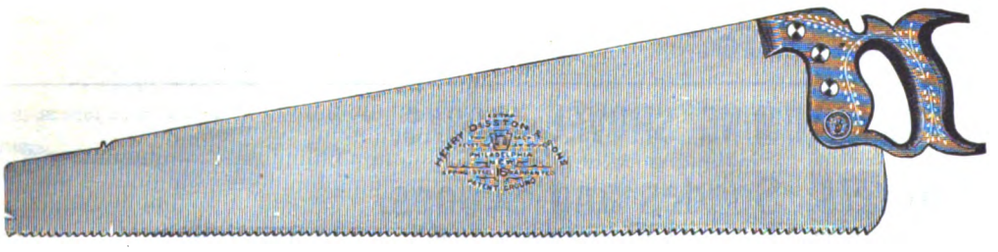


DISSTON'S "ACME" No. 120 HAND SAW.

Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

—EVERY SAW FULLY WARRANTED.—

Henry Disston & Sons,

(INCORPORATED.)

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PA.

Carried in stock by all Jobbers.

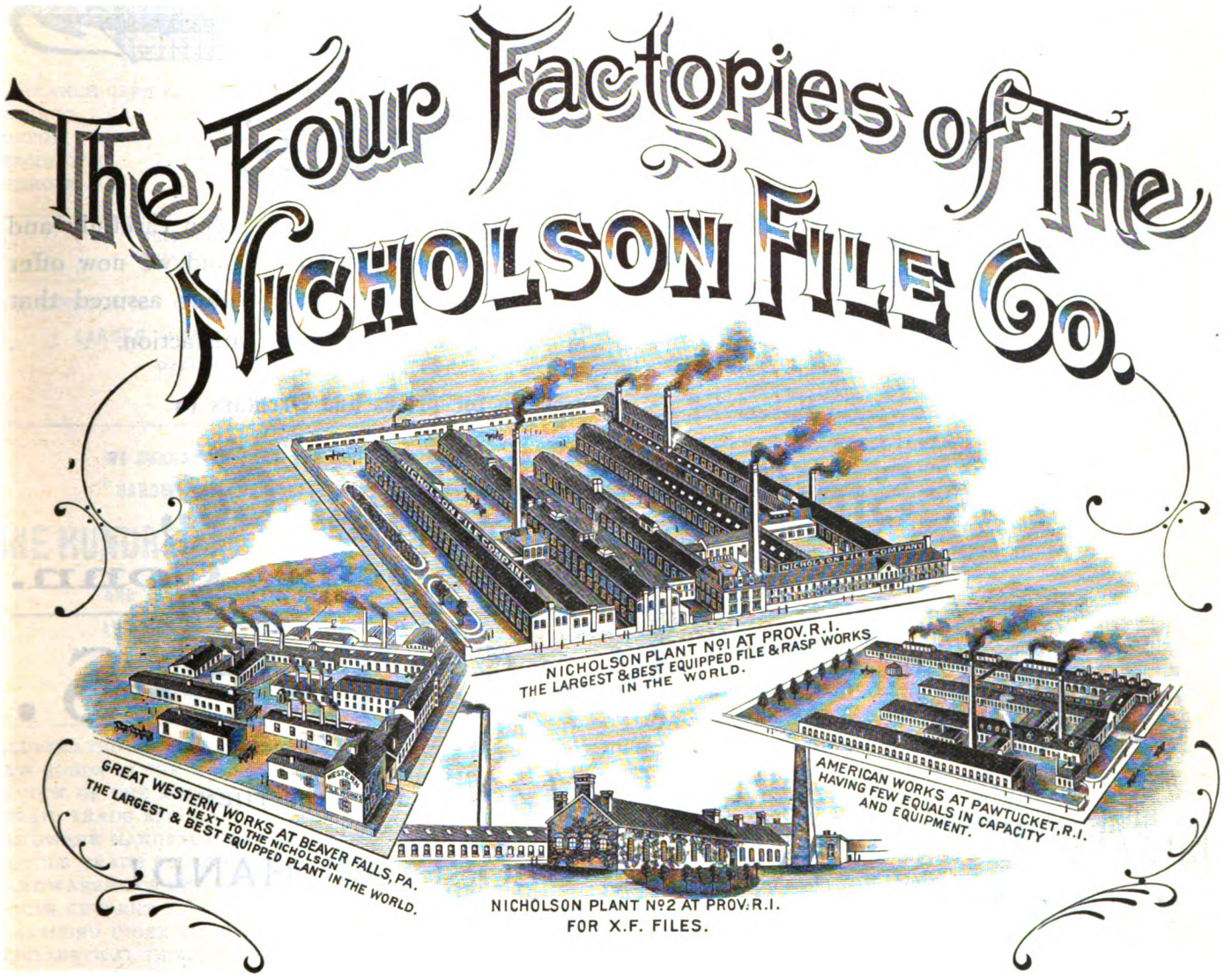
NOTE.

"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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NICHOLSON FILE CO.

Largest File and Rasp Producers in the World.



MAIN OFFICE AND ADDRESS,

CABLE ADDRESS
NICHOLSON
PROVIDENCE, U.S.A.

NICHOLSON FILE CO.
PROVIDENCE. R.I. U.S.A.

A.B.C. CODE.
4th EDITION

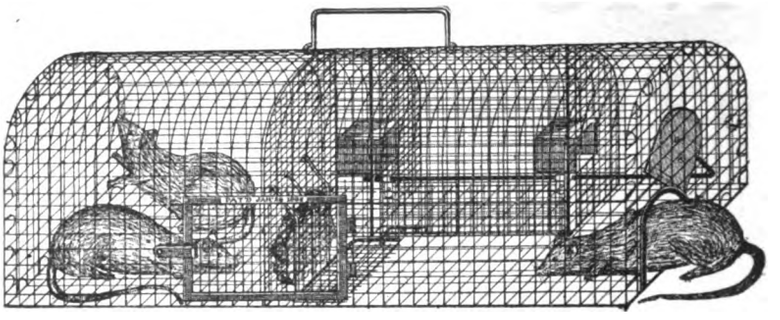
Standard Brands.

"NICHOLSON,"	Product of Plant No.	1,	Providence, R. I.
"X. F." (EXTRA FINE)	" " "	2,	Providence, R. I.
"GREAT WESTERN,"	" " "	3,	Beaver Falls, Pa.
"AMERICAN,"	" " "	4,	Pawtucket R. I.

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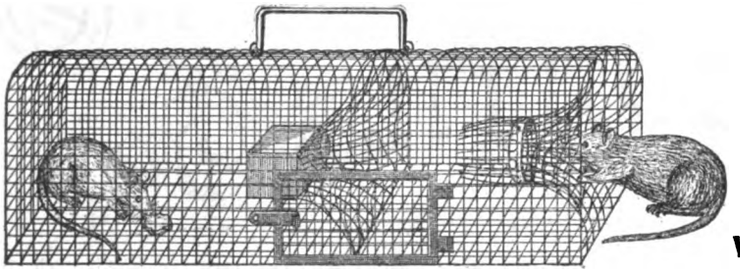
RAT and MOUSE TRAPS.

THESE Traps are well made, strong, and well adapted for the purpose. Our claim is that they are . . . . .



"SUPERIOR."

"Superior in Every Respect."



"YANKEE."

BOTH Traps have been carefully and repeatedly tested and we now offer them to the Trade feeling assured that they will give entire satisfaction. . . .

Write for prices and circulars to

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

ESTABLISHED 1827 — E.S. 1827 & Co. — INCORPORATED 1899

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

WELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

S-K-A-T-E-S.

THE CALL FOR THEM

IS CLOSE AT HAND!

Now is the Time to PREPARE to Answer It.

Here is the Place to Send





On page 73 of this issue, you will find the

SECOND CHAPTER

OF THIS

LESSON IN SKATES.

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HARDWARE

VOL. XII. DECEMBER 25, 1895. NO. 6.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the

HARDWARE PUBLISHING COMPANY.

No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.
DETROIT, - - - No. 10 PENINSULAR BANK BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS
LARGER THAN THAT OF ANY OTHER
PAPER IN THE UNITED STATES
DEVOTED TO THE HARDWARE TRADE.

WE GUARANTEE THAT THE CIRCULATION OF
"HARDWARE" DURING 1896 WILL EXCEED

ONE HUNDRED AND TWENTY THOUSAND

AND THE SAME WILL BE PROVEN BY THE PUBLICATION IN THIS COLUMN, IN EACH ISSUE, OF THE POST OFFICE RECEIPTS FOR COPIES MAILED THE PRECEDING ISSUE.

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Hardwaremen Do Handle Bicycles.

Some five years ago an earnest endeavor was made on the part of HARDWARE to convince its readers—the retail and wholesale Hardwaremen of America—that bicycles were a good line to carry. The idea at that time was practically a new one, and we must confess that our efforts were not at first crowned with the success that had been desired. In illustration of this fact, we may call attention to the other fact that five years ago we had but one small bicycle advertisement, that of the Pope Mfg. Co.'s Columbia, located down in the corner of page 3—and, by the way, it has been there ever since. In our issue of January 10, 1896, we will have at least 20 pages devoted to informing the Hardware dealers where the best wheels are made, and how an agency for the same can be obtained.

This enormous growth speaks for itself, and is particularly gratifying to the publishers of this journal. Beside the ever-present and natural monentary consideration, it shows that we prophesied truly, and that results have been carried forward exactly on the lines then laid down. We stated, as a matter of absolute faith, that the Hardware trade would eventually become one of the main avenues for the distribution of the product of the bicycle manufactories. That this is true, we may cite the fact that perhaps over three million dollars' worth of wheels were marketed by the trade we have the honor of representing, during 1895.

For the coming year a handsome advance over these figures is confidently predicted.

Why shouldn't the Hardwareman get his share of the plums that are so constantly falling from the tree of bicycle culture? From his environment, he is the very best possible agent. He can add wheels to his stock with the payment of no more rent, while but little extra help is required to handle the same. It is a fact that the profit from one high-grade wheel equals that on one-hundred kegs of nails, and thus one sale equals the benefit to be received from many in the regular Hardware line.

The bicycle manufacturers of the country have shown their confidence in the Hardwareman as a bicycle agent, by the efforts they are making to induce him to accept an agency. There is good reason for this. The selling of a wheel is not all there is to the bicycle trade. Payment must be prompt and sure, and many manufacturers have found to their sorrow that their quick sales to irresponsible agents, often mean early and permanent charges to the profit and loss account as well.

The Hardwareman is a known quantity. The agency books all have his name and rating, and if his order should be slow and cautious, he is quick and reliable when the date of settlement comes. The Hardwareman is also generally equipped with a sufficiency of this world's goods to permit his carrying instalment purchasers independent of the manufacturer. Oftentimes the makers of wheels prefer the agent who can sell ten wheels and carry the purchasers, rather than one who buys ninety, and has the manufacturer do the book-keeping.

There is no avoiding the fact that the Hardware dealer is the sought-for man. Let every enterprising Hardwareman in the country therefore fall into line as early as possible, secure the agency from some of our many advertisers, and make the money that is his by right, and is simply waiting the effort he shall put forth to secure it.

The holly and the mistletoe may not make their visible appearance in many of the Hardware stores—although we do not see why they should not be used as ornaments there as elsewhere—but we are certain that the sentiments they represent will be found in thankful abundance everywhere, in this Christmas season. The year that lies between the last Christmas and this, has bridged over many difficulties apparent then, and the American merchant and manufacturer have many

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reasons to be thankful, as they look over the record of the twelve months past. Prosperity has come in abundance, and so slowly, and with such cautious strides, as to prove that it is real; that the general advance is no spasmodic effort to do that which the conditions do not warrant. The promise of the future is good, and although the annual stock-taking may not show the profits of former years, it will demonstrate that affairs are on the bed-rock, and that better things lie over the way. In this hope, HARDWARE takes occasion to wish all its friends—those of the last year, and those new ones of the year to come—all that happiness and true joy which are so essential a part of this holiday season.

With the close of the year, HARDWARE has been compelled to increase its capacity, to keep up with the demands of those enterprising manufacturers and merchants who wish to let the great Hardware public know what they are now doing, and intend to do during the coming year. This number of one hundred pages is a result of natural growth, and is not only an evidence of generous patronage upon part of our friends, but of that which is even better—the growing and assured prosperity of the country at large.

Skates Selling Themselves.

A representative of HARDWARE who dropped into the headquarters of the Union Hardware Co., Tower & Lyon, a few days since, saw a remarkable sight. Every man in the establishment, from the manager down, was in the warerooms with coat off, working for dear life, getting out skates to fill the stack of orders to which additions were made by each mail. Not only that, but several near-by merchants who could not wait for the express or even telegraph, had come in and were back among the shelves helping themselves, and literally picking out goods for the filling of their own orders. "That's the way it has gone on for days past," said Mr. Tower. "Over a week ago we had sold ten per cent. more skates than we did all last season, and it keeps us very busy to keep up with the demands." The factories of the Union Hardware Co. at Torrington are running night and day, and there bids to be a famine even with this. Stocks have been cleaned out everywhere, and those who had a chance to give their orders early in the season and did not, are now lamenting that they did not realize the situation and live up to it.

The Hardware Club.

The following gentlemen have been elected to membership in the Hardware Club since our last report:

Geo. Kneuper, No. 263 Broadway.
Chas. M. Palmer, No. 162 Nassau Street.
Henry G. Atha, Newark, N. J.
Wm. E. Fulton, Waterbury, Conn.
Wm. M. St. John, No. 256 Broadway.
M. J. Mulqueen, No. 253 Broadway.
F. W. Bruggerhof, No. 15 John Street.
W. B. Fox, No. 97 Chambers Street.
Frank S. Gray, Tribune Building.
H. E. Converse, Boston, Mass.
Walter H. Knight, No. 44 Broad Street.
J. B. Underwood, No. 24 Park Place.

W. C. Heller & Co., Montclair, N. J., are sending their friends a fetching leaflet that sounds the praise of the Grip Wire Stretchers in no uncertain voice. The good points of this little but sure article are pointed out, and dealers are asked to write to the manufacturers for prices and discounts.

"What's in a Name?"

Bicycles have names and names. Some people choose a wheel from its known qualities and some fall in love with a name. The ignorance of the general public as regards the names of bicycles is surprising. A gentleman recently spoke of a wheel, quite well known, to a friend. The friend announced, "from the name I should judge that it is an imported wheel." The truth was that it was a domestic wheel with a high-sounding name.

We give below the names of a number of wheels, which illustrate the wide variety of these:

Road King,	Road Queen,	Duke,
Duchess.	Prince,	Princess,
Middy,	Midget,	Rambler,
Tribune,	Liberty,	Syracuse,
Hallady,	Eclipse,	Rialto,
Smalley,	Savoy,	Irving,
Davidson,	Monarch,	Crawford,
Thistle,	Spalding,	Erie,
Windle,	Cleveland,	Ben-Hur,
Standard,	Adlake,	Arrow,
White,	Viking,	Wolff-American,
Keating,	Knickerbocker,	Pierce,
Fenton,	Nonotuck,	Kathrina,
Falcon,	Singer,	Lyndhurst,
Zenith,	Newport,	Ouida,
Remington,	Sterling,	Ariel,
National,	March,	Windsor,
World,	Stearns,	Crescent,
Waverley,	Barnes,	Royal,
Premier,	Humber,	Gendron,
Bellis,	America,	Empire State 999.
Fowler,	Grand Rapids,	Peerless,
Rose Special,	Binghamton,	Warwick,
Zimmy,	Hunter,	Sagamore,
Sav-Yur,	Napoleon,	Orient,
Ide,	Crown,	American Traveler,
Wheeler,	Niagara,	Bison,
Henley,	Decker,	Lovell Diamond,
Demorest,	Norwood,	Garland,
Butler,	Rochester,	Meteor,
Munger,	Quincy,	New Haven,
Kenwood,	Richmond,	Envoy,
Fleetwing,	Columbia,	Iver Johnson,
Union,	Outing,	El Dorado,
Colonial,	Kankel,	Winton,
Dayton,	Shirk,	Globe,
Mascot,	Titania,	Adelbert,
Worthington,	Harvard,	Eldredge,
Belvidere,	Lu-mi-Num,	Relay,
Victor,	Apollo,	Challenge,
Cyclo,	Fairy,	Sylph,
Overland,	Templar,	Atalanta,
Red Cloud,	White Wings,	Whistler,
Cherub,	New Mail,	Mystic,
Gales,	Emblem,	Peer,
American,	Puritan,	Hector,
McCune,	Belle,	Winner,
Beauty,	Aurora,	Nonpareil,
Hurricane,	Pilgrim,	Bijou,
Hartford,	Wizard,	Royal Red Head,
Royal Jester,	Raleigh,	Sycamore,
Yellow Fellow,	Cayuga,	Elm City,
Hoffman,	Ak-Sar-Ben,	Shenandoah,
Cutting Special,	Silver King,	Silver Queen,
Greyhound,	Majestic,	Essex,

As a traveling convenience, a combined trunk and bath-tub is the latest. The body of the trunk is lined with a water-proof material, and when the trays are removed it makes an effective tub.

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Thomas A. Parke.

It is with sincere sorrow that we announce the death of Thomas A. Parke, general manager of the Hardware jobbing firm of Logan, Gregg & Co., Pittsburg, Pa. Mr. Parke passed away on December 5th. Those who attended the meeting of the National Hardware Association have especial cause to mourn the loss of the kind and genial gentleman. On the occasion of the banquet tendered the delegates of the National Hardware Association, by the Pittsburg manufacturers, at the Monongahela House, Mr. Parke contracted a bad cold. He was confined to his bed, but his physician did not consider his condition serious, but an attack of heart trouble caused his sudden death. He was born in Washington, Pa., on April 14, 1849, and when very young moved with his parents to Wellsburg, W. Va. At about the age of 14 he went to Pittsburg, where he entered the employ of his uncle, Edward Gregg, who was then in the Hardware business on Wood Street. His strict sense of business at once established the young man in his uncle's confidence, and from one promotion to another he at last entered the firm in the eighties. When Mr. Gregg died, about six years ago, the extra duties devolving on the remaining partners made it necessary for Mr. Parke to assume control as general manager, while Mr. Logan looked after the financial affairs.



THOMAS A. PARKE.

Mr. Parke married a daughter of the late Rev. Dr. Howard, of the Second Presbyterian church, and is survived by his wife and one son, Howard, who is about 19 years of age. He was a Republican by choice, and made his influence felt in various ways. Since occupying the position as chairman of the Common Council, Allegheny, he had shown himself of great fairness in the domain of politics, and his decisions and suggestions were always listened to with confidence by his associates.

Mr. Parke was president of the Board of Trustees of the Presbyterian Hospital, Allegheny, a director in the Allegheny Insurance Co., the Allegheny Heating Co., the Peoples' Natural Gas Co. and the Peoples' Savings Bank of Allegheny.

The employees of Logan, Gregg & Co., and the Select and Common Councils, of Allegheny, adopted appropriate resolutions. The Hardware Jobbers Association of Pittsburg and Wheeling at the December 6th meeting adopted the following resolutions:

Inasmuch as it has pleased an all-wise Providence to remove from among us our late friend and associate, Thomas A. Parke, and inasmuch as he always took an active part in the affairs of this body, and had its welfare much at heart, it is hereby

Resolved, That in the death of Mr. Parke this association loses a valuable member, a wise counselor, a man of superior judgment, strong in his convictions and a credit to our trade, and we deeply deplore his loss; it is further

Resolved, That we extend to his family our sincere sympathy and condolence in this, their hour of bereavement.

Resolved, That these resolutions be spread upon the minutes of the association and a copy sent to the family of our deceased friend.

The Hulbert Bros. & Co. Are Ready.

Hulbert Bros. & Co. report that within a few days their new Majestic bicycle for 1896 will be ready to be put on the market. The policy pursued by this house, has been not to delay the production of their wheels by wasting valuable time in building a few hand-made wheels to be used as samples by their travelers. There can be no doubt that a dealer would rather see the actual wheel when placing his order. Now that every tool is working, and that a large number of all component parts of the Majestic have been finished, the assembling will not be delayed, and Hulbert Bros. & Co. will be able to accumulate such a large stock before the deliveries of their spring orders begin, that the annoying delay in getting their early shipments, so frequently experienced by dealers, will be avoided.

The well established line of trade which the Majestic enjoys, enabled Hulbert Bros. & Co. to keep from showing samples sooner, as with few exceptions all their former agents have placed their sample wheel order with them now.

At present Hulbert Bros. & Co. are making every effort possible to keep up with their orders for Mesinger Saddles, which are pouring in from all parts, not only of the United States, but of Europe and other quarters of the globe. New machinery is constantly being added to this branch of their manufacturing business, and though the sale of the Mesinger Saddle has gone far ahead of their most optimistic calculations, they fully intend to keep up with it by continuing to add to their capacity.

Relay Mfg. Co.

The Relay Mfg. Co., Reading, Pa., are sending out a novel announcement for their line for 1896 in the form of prettily dressed paper dolls which they style "Relay color barometer." The following lines explain the use of the dolls:

This little doll in blue appears
For weather dry and fair;
Puts on a pink when storm it fears,
And violet for a change will wear.

The company will have the following models on the market during the coming season: Relay Special, weight about 20 pounds, price $100; Relay Special Flyer, weight about 21 pounds, price $100; Relay Model A, weight about 23 pounds, price $85; Relay Model B, weight about 25 pounds, price $75; Relay Model C, weight about 27 pounds, price $65; Relay Ladies', weight about 23 pounds, price $90; Relay Tandem, weight about 38 pounds, price $150.

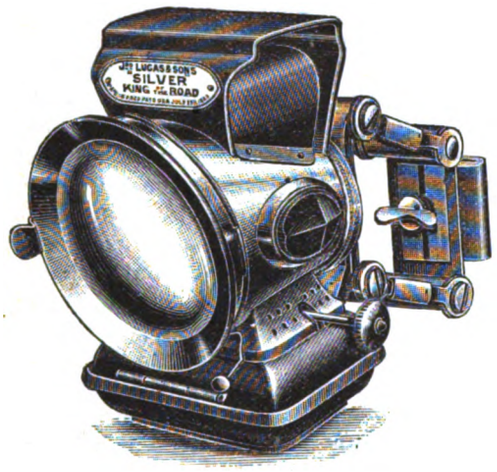
At the recent annual election of the Grand Rapids Wheelbarrow Co., the following were elected officers: William Hake, president; Adolph Leitelt, Jr., vice-president; Frank P. McGraw, secretary, treasurer and general manager. Board of directors: William Hake, Charles W. Hake, Cornelius Clark, Adolph Leitelt, Jr., and F. P. McGraw.

The United States now controls the world's iron trade, producing about 11,000,000 tons annually. England, the former mistress of the trade, produces only 6,709,000 tons.

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New Departure Sundries.

The New Departure Bell Co., Bristol, Conn., for whom John H. Graham & Co., No. 113 Chambers Street, New York, are general selling agents, make the following announcement for the season of 1896: "We take pleasure in submitting for your consideration for the season of '96, the most complete and perfect line of bells ever attempted by any maker. Our old popular line of six bells we have extended to sixteen, and have endeavored in the most complete manner to meet every possible requirement of the rider, in size, weight, price, and utility. We continue the same patterns as last year, and while they have given universal satisfaction, we have still further improved them for next season. Our cheaper grades which are new with us, we offer as the result of the most careful experiments, and we confidently recommend them to the trade as the finest goods that can be produced in their respective classes. All bells are put up under our trade mark, and are all finished in the same thorough manner, whether at the top or at the bottom of the list. We have fitted up for their manufacture the most complete bell plant in existence and in doing so, have effected a saving in cost which we propose to give the trade the full benefit of. Our new cyclometer, like all New Departure goods, is a radical departure from all existing types, and is a model of simplicity, effectiveness, and



beauty. Registers to 1200 miles, and repeats or can be quickly set back to zero at any time without opening case. Another important feature, is arrangement by which the same instrument can be used on either side of wheel, and is reversible from one side to the other at pleasure. Regarding Lucas' lamps, for which we still hold the sole agency for the United States, we are pleased to say that we are now in better position to serve our customers than ever before. The Lucas lamps are so well known by the trade that we shall not attempt a general description, except of the 'Silver King of the Road,' which is an entirely new pattern. The general outline is very pleasing. It is finished in the most thorough manner, is an excellent light giver, and we believe it to be the best lamp in every way on the market, while the price will compare favorably with any other high grade lamp. The manner for opening for cleaning, which is only partially shown in illustration, is so thorough and complete that all parts are instantly accessible and easily cleaned. A novel feature of this lamp is, that the reflector is covered and protected by a double convex lens in a nickeled screw mount, which serves the double purpose of improving the light, and keeping the reflector clean. Thus, in order to keep the reflector bright, it is only necessary to wipe off its glass protector, which is a great advantage in time and labor. We recommend this lamp highly and guarantee it in every way. The New Departure trouser guard for next year has been greatly improved in appearance. It is also lighter in weight and more desirable in every way. Our goods are so well known that when we make the further announcement that all prices are reduced for next season, we know that you will agree with us, that it a very desirable line to handle." The illustration herewith shows the Silver King Lamp. The lamps manufactured by the company include their Silver King, Kinglet 00, Toura, Pathfinder, Midget, Lucent, and Planet.

Polar Star Freezer Co.

The Polar Star Freezer Co., No. 235 Levant Street, Philadelphia, are offering the Polar Star Instant Freezer. The makers state that it is "built on entirely new principles," and that it requires only a few minutes to pack the machine with ice and salt, prepare the mixture and turn out the finished ice cream, nicely moulded and ready to serve. They further state that it is perfectly noiseless in operation having no gearing to rattle; has no galvanized iron dasher to poison the cream; "has no iron scraper to scrape off the tin with the cream to poison it, and that a revolving wooden screw conveyer made of hard maple, simply takes the liquid from the reservoir, carrying it through a tin tube, spreads it out in a thin layer in contact with the freezing surface of the tube and as the cream commences to congeal, pulls it like taffy, mixes it, smooths it and forces it through the tube into the mould all in one operation." The following claims for superiority are made for this Freezer: "It is simple to operate; has no gearing to get out of order; a child can operate it; it is continuous; its capacity unlimited and it takes only 30 seconds to make one plate of cream; it saves 60 per cent. of ice and salt; freezes everything in its natural state; and takes only one minute after material is put in the freezer until it is frozen. Also that several different kinds of cream, sherbets, ices, etc., can be frozen in succession in a few minutes, and no dirt, or water leaking on the floor, as all are confined within the reservoir."

Iver Johnson's Big Three.

Iver Johnson's Arms & Cycle Works, Fitchburg, Mass., have just closed a deal which will give them three of the largest concerns in the country for distributing agents for Iver Johnson cycles. John Wood, Jr., No. 76 Washington Street, Boston, has taken Suffolk and Essex counties and will handle the Iver Johnson and Fitchburg cycles. This is one of the best known bicycle houses in Boston. With this concern for this part of Massachusetts, the Simmons Hardware Co., of St. Louis, as Western agents, and Charles J. Godfrey, of No. 11 Warren Street, New York, who has New York, New Jersey and Pennsylvania, the Iver Johnson's Arms & Cycle Works have a trio of agents that cannot be beaten. Things are progressing rapidly at the Fitchburg factory. E. H. Wilcox, one of the best known men in the trade, has just accepted the position of superintendent of agencies for the company and will devote all his time and energy to making the Iver Johnson agencies among the best in the country. Advance circulars will be ready for mailing in a few days and will be forwarded to any part of the country on application. This concern is also doing an immense business in firearms for the Christmas holidays. Iver Johnson's firearms have a world-wide reputation, and that dealers in all parts of the country recognize this is shown by the large number of orders sent in.

The *American Artisan*, Chicago, has published a volume handsomely bound in red cloth, entitled "Workshop Manual." It is compiled by John J. Davies, and is intended as a guide for sheet metal workers, mechanics of all kinds, business men and manufacturers, etc. The information contained in this volume is of a valuable character.

A mile of copper telegraph wire weighs about a hundred pounds.

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PRACTICAL TALKS TO HARDWAREMEN.

HARDWARE NAMES.

So accustomed does the Hardwareman, long in the business, become to the names of his wares, that he is not much given to speculation upon their derivation.

If the question should arise in his mind, it is dismissed with the reason, that it was so named when made, possibly hundreds of years ago—just as he was named John when he was born.

This does not satisfy the younger aspirants for Hardware lore. "If," say they, "you were named John—why John?"

To satisfy this demand the following "Whys" have been collected:

A knife was a knife in colonial times. The Pilgrim fathers had knives. Across the water the English had knives as far back as Chaucer's time, as the Sheffield Whittle testifies.

For the *name*, however, we must cross the English channel to France. In the Thirteenth Century knives were known as "Mensaculæ" and "Artari," a little later by the word "Kenivet." From which is evidently derived "Canif," or knife.

In this connection it may be said, that two prong forks are mentioned for the first time in an inventory of Charles V. in 1379. The table upon which food was placed was surrounded with benches or *bances*, whence "Banquet."

To know why a two faced rim lock is called a "Janus" faced lock, we must go from the realism of the Twentieth Century to the ideal symbolism of ancient Greece. There, in a Temple whose doors were never closed during war, Janus, the God with two faces, was enshrined.

In the Hardware Store "Janus" becomes a fitting name, indicating in the lock that it is the same on both sides, and in the store the alertness necessary to success in these days of commercial warfare.

In the Sixteenth Century *Pistoles* and *Pistolets* were so called, it is said, because they were invented at "Pistola." But on this subject etymologists differ, some preferring the suggestion that they were called Pistols from the fact that the bore was of equal diameter with the "Pistola," a coin of the time.

In the names Anvil, Stirrup and Hammer we find a very curious thing—that the position is reversed and that these articles give their names to what was made long before their use was known. The three pretty little bones of the inner ear are called "Hammer, Anvil and Stirrup."

THE DELIVERY OF A SET OF CURTAIN STRETCHERS.

One day a woman from the country came to the store to buy a set of curtain stretchers. After selecting the ones she wanted she agreed to take them, providing the clerk would deliver them for her; as it was to "Pool's Hotel only across the street," he readily assented.

When they came to the hotel they were told that the wagon yard was on another street, just around the corner. So the clerk carrying the stretcher led the way, the woman following. They found a yard "around the corner," "but," said the stable boss, "this is the city yard, the country yard is two blocks east." Arriving at the "country yard" no wagon answering the woman's description could be found. While discussing what move to make next, the woman, noticing a two-horse wagon on the car track, piled full of empty crates, exclaimed: "There's my man now."

"All right," said the clerk, "you stay here and I'll stop him." Leaving the stretchers against a building he ran after the farmer's wagon.

"Hello, there," he shouted, "Stop your team." After the usual "whoaing" and grinding of the wagon brake, the team came to a halt.

"There's your wife over there," said the clerk, pointing to the woman who had picked up the stretcher, and, much to his surprise, was shaking her head and wildly waving her free hand. The farmer looked at the woman, then at the clerk, and, as he reached for his blacksnake, said: "See here, Smarty, you can't take me in, you tell me again that there walkin' lumber yard is my wife and I'll smash your face in." Saying which he brandished the heavy whip while the clerk backed away and crossed the street to the woman. Around her quite a crowd had gathered, as she, in her excitement, had knocked over a basket of bananas which an Italian was carrying on his shoulder. When the clerk arrived the woman was explaining—the Italian swearing, and the crowd laughing. The clerk was looked upon by the crowd as the cause of the excitement. His desire to present the affair in a proper light caused a diversion in the woman's favor.

Slipping away unnoticed she had gone a half-block or so before the crowd thought of her. Then all they could see was a woman, darting in and out among the people on the sidewalk, with her curtain stretcher charging the passers by, fighting, like Joan of Arc, "for Country and for Home."

SHOP TALK.

"See that man with Mr. G—?" enquired the book-keeper of the new clerk, indicating a man conspicuous for his homeliness.

"Ten years ago," he continued, "he came to work where I was employed. He was a smart chap, but the laziest, apparently, ever created. He was so ugly and awkward that he became the butt of all our second-hand jokes. Our head clerk was quite a handsome fellow and very much given to society and, consequently, late hours. One day he was worrying 'Poxey,' as our lazy man was called, taunting him in a very mean way about his looks, when 'Poxey,' thoroughly aroused, said: 'Look here Sam! I may be ugly, and not such a masher as you are, but—in five years I'll show you I'm a better business man.'"

From that time we noticed a change in "Poxey." He got permission to take the catalogues home. He would stay at night witn the proprietor when all the clerks had gone, helping him with the plans for builders' Hardware. At first he was only a live paper-weight and kept the plans unrolled, but gradually becoming more and more useful, until he was entrusted with the entire work of taking off the Hardware and making estimates of cost. Sam was still head clerk, but "Poxey" was drawing the best pay.

Then came one of those crises in business life which broke up our establishment.

"Poxey" accepted a position with a firm in the same city, as manager of the builders' Hardware department, and then came, as I have many a time heard him say, the triumph of his life. Sam came to him for a position.

He was weak enough, he said, to remind Sam of the day he had taunted him. But, after giving vent to his feelings, he thanked Sam for the taunt, saying it was that, more than the prospect of advancement and higher wages, that had spurred him to every effort.

He then used his influence and Sam was given a position.

"I know a man," remarked the Tool-Man, who had been listening, "who was something like your 'Poxey.' He worked well enough, but aimlessly. Once he went to see about a position but the proprietor, a large, dignified man, said: 'You will not suit the position, I want a man to rep-

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resent me.' With that my friend set to work and his whole incentive was to show that he could not only represent a proprietor, but that he could become one in his own person."

SHOP MAN.

The Liberty Cycle Co.

The Liberty Cycle Co., No. 4 Warren Street, New York, are making an extensive bid for the patronage of Hardware dealers this year. The company state that they will, in 1896, have one of the finest lines of bicycles that has ever been seen on the market, and dealers contemplating handling this popular line of goods next year could not get a more popular or a better line than the "Liberty." They further say that they will have ten models out next year. Their choice wheels will be the Models 26 and 30—the former being their gentleman special and the latter their woman's wheel. The weights, descriptions and prices of the wheels for 1896 will be as follows:

	Head, inch.	Frame.	Wheel base.	Weight, lbs	List Price.
Model 25, Men's Road Wheel.	8	22	43½	21½	$100.00
Model 26. " " "	10	24	43½	22	100.00
Model 27, " " "	12	26	43½	22½	100.00
Model 28, " " "	14	28	43½	23	100.00
Model 29, " Track Racer	10	24	43½	18	100.00
Model 30, Ladies' Road Wheel .. .	8	20	43½	22	100.00
Model 31. " " " ...	10	22	43½	23	100.00
Model 32, " " "	10	24	43½	24	100.00
Model 33, Diamond Frame Tandem					150.00
Model 34, Combination Tandem.....					150.00

The company state that the special 1896 features will comprise: "Five styles of handle-bars; a ram's horn, medium drop, up curve, extreme up curve and adjustable. The Liberty hub will be supplied in regular patterns, as heretofore, or in barrel pattern, as desired. The Liberty hollow fork crown, which proved so highly satisfactory in 1895, will be retained. The Liberty detachable sprocket will again be used. This sprocket has given the most gratifying results, and is the most simple and effective detachable sprocket on the market. A new pedal is offered for 1896, both in men's and ladies' patterns; a neat and attractive device, possessing great strength combined with minimum weight. The chain adjustment for 1896 wheels will remain the same as in 1895. We feel that no improvement can be made in this part of our cycles. The bearings will be constructed on our famous dust-proof principle, and have our famous 'glass cutting' cups and cones. We shall again use our Liberty detachable tire as the only detachable tire on Liberty cycles. We have had three full years' experience with this tire, and know it to be the best example of a detachable tire ever offered the public."

Scranton & Co.

Scranton & Co., No. 356 Congress Avenue, New Haven, Conn., say: "We find trade much improved, especially in such of our lines as pertain to forging machinery, power hammers, etc. A large demand for forgings of all kinds, particularly those used in the manufacture of bicycles, has stimulated business in this line. We have in the last year sold a great many of our power hammers, having given particular attention to perfecting these hammers for that class of work, and we now have orders sufficient to keep us moving lively in this department for some time. If nothing unlooked for arises, we anticipate a prosperous 1896."

Royal Cycle Works Exhibit.

The time is fast approaching when cycle manufacturers must get their exhibits for the Chicago and New York shows in shape. The Royal Cycle Works, Marshall, Mich., announce that their exhibit at both shows will be as follows:

"1 Royal Limited, in colors, to show their high class finish. 1 Royal Limited, standard pattern, as offered for sale. 1 Royal Lady, in colors, to prove that they can satisfy the most exacting critic. 1 Royal Lady, standard pattern and finish. 1 Royal Jester, a diamond frame wheel, made expressly for ladies or small gentlemen, has 22-inch frame, 26-inch wheels, and weighs only 20 pounds. 1 Royal Tandem B, for a lady and gentleman. 1 Royal Tandem A, hickory frame; special attention is invited to this wheel. 1 Royal Red Head, the personification of an up-to-date racing wheel. They will also show a full line of parts, demonstrating that their wheels are made exactly as represented. Cones will be shown on bars of steel, their new detachable sprocket wheel will be shown in all its different stages, proofs will be submitted to prove that all joints are reinforced; in fact, they will be prepared to prove any assertion they make as to the high quality of their goods." S. H. Gorham, president, and Harry Chapman, manager will look after their interests at both shows.

The Royal Cycle Works will occupy spaces Nos. 116 and 117 at the Chicago show and Nos. 97 and 98 at the New York show.

Western Electric Co.

The Western Electric Co., which is one of the largest concerns of the kind in the world, have begun running an advertisement in this issue of HARDWARE which will prove particularly interesting to retail dealers at this time. Owing to the wide and growing demand for electrical house goods the retail trade is working rapidly into this line, and no progressive merchant should fail to avail himself of the opportunity to obtain free of charge a copy of the very handsome catalogue just issued by the company. The book is a quarto of over three hundred pages, profusely illustrated, bound in art linen, and beside being a complete reference-book and price list of electrical specialties of every description, contains much other interesting matter, including a telegraph code for the use of customers and a very full bibliography of the literature of electricity. It has four indices, one covering the various departments, one devoted to material, one to code words and one to catalogue numbers.

In addition to push-buttons, batteries, electric bells, wire electrical tools and other novelties adapted to the trade, the Western Electric Co. make a specialty of electric-bell outfits of various kinds, packed in light boxes which will be found very convenient for the shelves of a Hardware store.

Equal to the Emergency.

A Hardware salesman recently attempted to get up a flirtation with a diningroom girl at the Morton House. She paid no attention to him until he called her to his side and said:

"You remind me of my sister."

"Yes?" said she. "Now, isn't it funny? You seem to remind me so much of my brother."

"Indeed?" said the young man, and winked at the other salesmen around the table. "In what way?"

"Why, he never could mind his own business."—*Michigan Tradesman.*

The Allen Mfg. Co., Michigan City, Ind., manufacturers of bicycles and specialties, elsewhere announce in this issue of HARDWARE: "A well equipped bicycle factory would like to find some article of manufacture with which to utilize its surplus machinery during summer months, Allen Mfg. Co., Michigan City, Ind."

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the Standard Oil Co., at Constable Hook, N. J., a compounding building 120 feet wide by 130 feet long. The roof trusses are composed of steel, with steel purlins and covered with galvanized, corrugated iron.

Aluminum has been adopted in the construction of racing skates. The use of the metal gives strength with lightness as well as handsome appearance.

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AMERICAN TRADE IN ASIA.

Hon. John Barrett, United States Minister to Siam, has written a letter of exceeding interest to the New York Chamber of Commerce, from which the following is taken:

"Asia in general; or Japan, China, Siam, Corea, Java, the Philippines, Formosa, in particular, seem to the average American to be unknown lands, distant abodes of heathen races, countries where primitive conditions still absolutely prevail, and where there is little opportunity for modern enterprises. Perhaps the war has brightened the horizon of their knowledge a little, but still the ignorance is so great that ninety-five out of every group of a hundred could give no adequate description of the wealth, resources, extent, development, present conditions and future possibilities of this wonderful coast line which winds in and out from the Arctic circle to the Equator, and is the only outlet of 500,000,000 of human beings. I do not exaggerate when I say that our Atlantic seaboard cannot surpass it in the number of good harbors and prosperous ports, while our whole Pacific Coast does not see as many steamers, not to mention ships, in one year, as pass through the inland sea of Japan in four months. Kobe, Japan, often has more steamers in port in one day than San Francisco in three. More vessels sail to and from Shanghai in ten days than in and out of Puget Sound in a month. As many steamers stop at Singapore during a year as at Boston, or Baltimore, or New Orleans. But above all ranks Hong Kong, which is classed as the second port of the world in the number of ships which sail in and out of its capacious harbor, and is the New York of the China coast. If any merchant in America supposes, however, that these ports are mere Asiatic cities with Asiatic conditions prevailing he is greatly in error. Few ports in America present so prepossessing an appearance in their water fronts or possess better facilities for commercial exchange. Kobe, Shanghai, Hong Kong, Singapore and Batavia are notable in this respect, while Yokohama, Nagasaki, Chefoo, Chinkiang, Foochow, Amoy, Canton, Saigon and Manilla are their competitors. The stranger who makes the journey from Yokohama to Kobe; thence through the inland sea to Nagasaki; across then to Shanghai; from there to Chemulpo; to Tien Tsin, Chefoo, or up the mighty Yangtze Kiang to Hankow past Chianking and Nanking; then down the coast to Foochow, Amoy; arrives at Hong Kong; from there goes to Canton; across to Manilla, or south to Saigon; then around to Bangkok; thence to Singapore, and finally from there to Batavia in Java, visits a portion of the world which surprises him at every stage of the journey with its present development of commerce and its immeasurable possibilities.

I once traveled over a part of this route with an eminent American manufacturer, whose remarks relative to the opportunities for our commerce I shall not soon forget. He said in brief: "Why have I not appreciated this before? Why has not some one described this field to me and compelled me to understand it?" And instead of devoting a year or two to pleasure touring he returned immediately to America to prepare his firm to enter these Oriental markets. Perhaps I may be excused for endeavoring in humble and general terms to "compel" American exporters "to understand it."

With all these ports European merchants are carrying on an extensive commerce, while that of American merchants in comparison is slight. If our trade is large, it is made so by our imports, not our exports, and hence the balance is heavily against us. Shall we, then, divide this export trade with Europe and place the balance to our credit? Our exporters must answer this.

Tangible evidence of the value of this commercial field is the presence of English traders and English ships everywhere, with Hong Kong and Singapore as unrivalled headquarters of their enterprise. In Yokohama, directly opposite San Francisco, but 15,000 miles from London by steamer route, the English outnumber the American merchants. Go up the Yangtze Kiang until the water is yellow enough to make paint and you find the English trader with his massive warehouses. In Saigon, the Paris of the Orient, the English merchant is to be found. In Siam most of the largest houses are under English control, while in Bangkok, on the Menam River, ten steamers floating the British flag can often be counted in one day. I am neither an Anglomaniac nor an Anglophobe. I believe in giving England credit for what she has done and is doing as an example of what the United States may do; but I also believe that the merchants of the United States should do all in their power as a matter of legitimate competition to take that trade away from England. Next to the English come the Germans. They are apparently making a successful contest to capture a fair portion of the Oriental trade, but should not be allowed to outstrip us. Other European nationalities are also represented, but their efforts are usually confined to their colonies or to particular sections.

I will now mention additional plain facts which will both show why Americans fail to do business in the markets of the Orient compared to Europeans, and how, on the other hand, their trade can be built up. These following statements are summarized from abundant corroborative data in my hands:

First. European firms will give practically the same terms of credit to the purchasing merchants in Japan, China, Siam, etc., as they will to customers at home. The American firm so seldom consents to like terms that Oriental buyers mention it as a hindrance to trade.

Second. European firms, through banking agencies or other means, know the financial standing of the principal importers, and upon receipt of order by telegraph or letter can act at once. The American firm, before forwarding an order, must go through the red tape of requiring proof of reliability, which usually means the deposit of a certified check, equal to the purchase price, in some bank, the loss of the use of money for many months, and a prolonged delay.

Third. The European firm wishing to create a market for its wares, will often send out a large consignment, at its own risk, to a responsible merchant, to sell under most favorable terms. This custom is popular and gaining ground. American firms usually deem this too great a risk.

Fourth. With the present low rate of exchange, the European firm will usually give the merchant time in payment to take advantage of advance in exchange. Numerous Eastern firms are authority for the statement that American exporters do not appreciate these conditions and will not make such terms.

Fifth. In packing and shipping goods to the Orient, in view of the distance and the exposure to peculiar climatic conditions, European firms are extremely careful. There are continual complaints that the average American firm does not use the great care necessary.

Sixth. European firms send their cleverest men to the Orient to study the conditions and needs of different localities, and men who are not discouraged by the hard work required to develop a market. Only a few American firms have special first-class men in the Orient, while too often some of those that do come have a "know it all" manner

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that does more harm than good, and who lack persistency mingled with tact. I am glad to record, however, that where there are worthy representatives, excellent results usually follow.

Seventh. American exporters, in developing this field, must realize who are their competitors, must meet them on the lines the latter have established, and with their own tactics, and must not give up because the results are not especially remunerative from the start. German exporters are now sharing the trade with their English competitors, because they persisted under conditions at first adverse and profitless.

Eighth. Many leading European firms, in addition to selling direct to the Oriental merchants from the home establishment, have their own houses in the leading ports up and down the whole coast, which do a large and increasing business. There are so few real American houses on the Asiatic coast, that they can be counted on one's fingers. In Japan, there are a few prosperous firms, but in China the number is very small. Yet, in both countries, there is room for numerous well managed branch or individual firms.

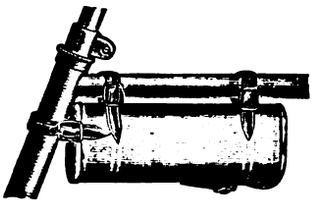
Ninth. Chambers of Commerce, Boards of Trade, Banks and Banking Agencies at home, should make a special effort to obtain full and reliable data in regard to the Oriental trade possibilities and conditions. At present, even many of the largest houses and manufacturing firms in the United States seem to be entirely at sea about this part of the world, and no approved system of securing or obtaining information has been adopted. It is most difficult for the Consular representatives of the United States to answer every letter of inquiry in detail, and tell each firm what prospects it may have to develop its individual trade, but they can and do gladly give full and reliable data, through the Department of State, in Consular and other reports. Were consuls to answer every letter specifically, or attempt to do all that is often requested, they would be obliged to employ more clerks than the Government would sanction, and to convert their Consulates into commission houses. As it is, however, I believe that they give all the information possible and will willingly make extended reports on subjects outlined by Chambers of Commerce, or requested through the State Department, and not covered by the regular reports just mentioned.

Tenth. Shipping conditions need improvement, in order that the American exporter will not be handicapped by excessive rates. The European merchant can usually find numerous steamers ready to take his shipments to the Orient at low rates. There are, however, lines running direct from all the chief ports of Europe, which have regular connections with New York, and which probably afford the cheapest rates from any points east of the Rocky Mountains, but every influence should be brought to bear upon steamship lines running from the Pacific coast ports to offer inducements to American exporters, while railway co-operation is necessary to get goods from interior points to the seaboard. Favorable rates from both steamship and railway lines, as well as the establishment of new navigation companies, will tend to increase American exports, and not only benefit the shipper but the carrier. This point is sufficiently important to deserve extended discussion and agitation alone, but the conditions I have enumerated prior to it do not absolutely depend upon it.

Eleventh. The excuse of greater cost of production that may be advanced to explain the non-competition of American products in the Orient, I do not regard as logical, first, because American products are cheaper to-day than ever before; second, they are finding a market in South America and even in Europe, and can here as well; third, there would be a distinct demand for such products were the hindrances, heretofore recapitulated, obviated; and fourth, this excuse cannot be accepted until a fair and persisteut effort has been made to develop and maintain a market for American products. Some American firms are already making a gallant fight for a part of the Asiatic trade. To them great credit is due, and, if I am rightly informed, they are realizing results that should encourage others.

A Demand Supplied.

Since the advent of lady cyclists there has been a call for a special tool bag to meet the requirements of the drop frame. The Hunt Mfg. Co., of Westboro, Mass., is the first concern to place upon the market a bag furnishing this requisite. The above cut shows the bag strapped for gentlemen's use. For ladies' use it has a strap in the centre instead of at the end, so that it may be attached to



the handle-bar of the machine, the centre strap passing around the upright tube thereto to prevent swaying. This bag, which is their No. 41, presents a most handsome appearance, having both ends finished in superb nickel-plate, while the leather is the finest obtainable. Besides furnishing a very dainty appearance the metal ends tend to preserve the shape of the bag. "Lady cyclists having their own interests at heart will certainly insist on having these bags furnished with their wheels."

Luminous Paint.

The most recent, and, it is claimed, practical method described for the production of luminous paint is as follows: Oyster shells are cleaned with warm water, then put into the fire for half an hour, at the end of which time they are taken out and allowed to cool; when quite cold, they are pounded to a fine state, all gray portions discarded, and the powder placed in a crucible, in alternate layers, with flour of sulphur. The lid is put on and cemented with sand made into a stiff paste with beer, and, when dry, is baked in the fire for the space of an hour. When quite cold the lid is opened, and, as the product should be white, all gray parts are to be separated, as they are non-luminous. A sifter is then made by taking a pot, putting a piece of very fine muslin loosely around, tying about with a string, and the powder is put in at the top and raked about until only the coarse powder remains. On opening the pot, a very fine powder is found, and this is to be mixed into a thin paint with gum water, two thin applications being better than one thick one. This is said to be a luminous paint that will show luminously far into the night, provided it is exposed to the light during the day.

At the old and well-known headquarters, Nos. 126–128 Chambers Street, New York City, will be found the prosperous, reliable and enterprising firm of C. M. Moseman & Bro. The fact that they have secured the '96 agency for the popular Fenton Bicycles is significant of continued success.

The New York Stove Co., Glen Elder, Kan., has filed charter, changing its place of business to Downs. The directors are W. T. Lutz, J. A. Stivson, E. D. Horn and others. Capital stock, $20,000.

The McLagon Foundry Co., New Haven, Conn., will erect large addition to the plant of the Frisbie Elevator & Mfg. Co., which property they have recently purchased.

The Iron nail works at Brilliant, Ohio, will resume work.

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ILLUSTRATED BICYCLE NOVELTIES.

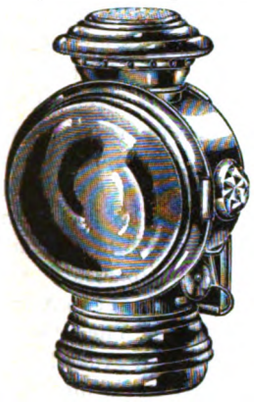
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

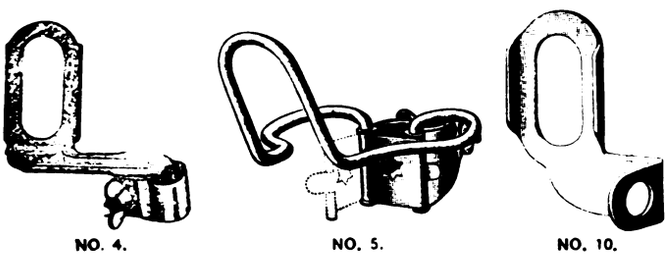
Aladdin's Lamp.

The Aladdin Lamp Co., No. 120 Market Street, Newark, N. J., as sole agents, are offering a Bicycle Lamp as herewith illustrated. It is finished in nickel, and no solder is used in the body, consequently, it is pointed out, there is nothing to melt. The lamp is referred to as being light in weight, simple in construction, as burning eleven hours without refilling and as throwing light fifty feet ahead of the wheel. The point is made that it lights the way of the rider and that it is more than a signal. The lamp is designed to burn good bicycle oil and to have the wick turned high enough to produce the necessary flame without smoking.



Improved Star Lantern Brackets.

Herewith we give illustrations and descriptions of the 1896 Star Lantern Brackets, which were in large demand last season. The Bridgeport Gun Implement Co. state that they have modified the bending of the steel wire loops, so that there is no fear of their breaking at the bending points. They also wish to call special attention to their new Brake Bracket, which can be attached to the head of a bicycle without removing brake. The Fork Bracket is constructed from one piece of stamped steel, held at the fork by adjustabie thumb-screw in a band of spring steel, and has a new style of curved lips on the holder, which prevents the lamp from being jolted off or out of position. They are made for either right or left side of fork. There are a great many styles of axle brackets on the market, and the Bridgeport Gun Implement Co. claim to have introduced the first axle bracket that will hold a lamp securely. This company must also claim credit for introducing the first lantern bracket to be lined with chamois, thus preventing the marring of the frame of a bicycle. Manufacturers and dealers can secure prices by addressing the Bridgeport Gun Implement Co., 313 and 315 Broadway, New York.



NO. 4. NO. 5. NO. 10.

The Beebe Tire.

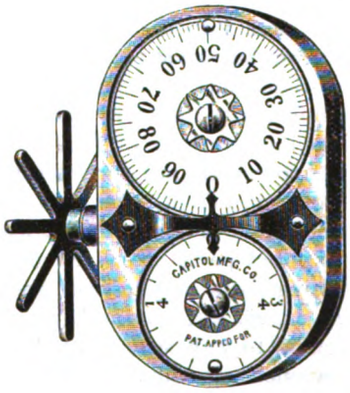
The Beebe Tire Mfg. Co., Sandusky, Ohio, are manufacturing a tire as here shown. It is constructed on the general principles of a hose tire, but incorporating into its formation a zigzag spring that is used in the same relative position that fabric is interwoven in hose, making, when complete, a section of hose reinforced with a spring, designed to give, when used as a tire on a wheel, practically the same easy riding qualities possessed by one using air for its cushion properties. These tires, it is explained, can be manufactured with any degree of resiliency desired, simply by increasing or decreasing the wrappings of the zigzag spring, as would be done in a three-ply, four-ply or five-ply hose. The wire spring used in the construction of the tires is made from a light extra drawn piano wire having,



it is stated, a tensile strength of 250 pounds to the inch. The wire is imbedded in the raw rubber, which is cured by a vulcanizing process, so that it is matted solid in the walls of the tube; it being almost impossible, it is remarked, to separate the springs from the rubber with a sharp knife. The tire, it is claimed, is free from all annoyances incident to puncture that an easier riding tire is, the only noticeable difference with or without air in the tire, and that they may be used without any air whatever in them, or with as little or as much as desired. The company state that a wheel has recently been examined, having on one of their tires that has been run nearly 2,500 miles this season, and that the tire is good for as many more miles of riding. In this case the valve and valve stem were cut off before putting the tire on the wheel, thus leaving it entirely dependent upon the spring properties. It is stated that if not informed, anyone using the tire would not know but that they were riding on a superior grade of pneumatic tire. The tires are designed for use on bicycles, invalids' chairs, sulkies, vehicles, etc.

The Climax Cyclometer.

The Capitol Mfg. Co., Chicago, Ill., are offering the Climax Cyclometer as here shown. It registers up to 10,000 miles, and the figures are said to be plain, enabling the rider to read them easily. It is remarked that the trip dial can be set back at any time, while the total recorder on back of instrument, under glass cover, keeps a true and



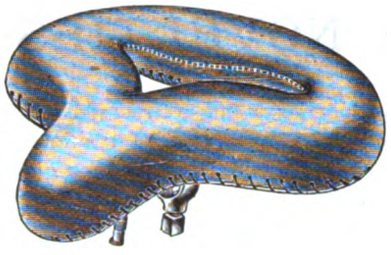
absolutely correct record up to 10,000 miles, and cannot be tampered with, but can be set back whenever the rider desires to do so.

The Cutting Pneumatic Saddle.

Cutting & Kaestner, Chicago, Ill., are offering the Cutting Pneumatic Saddle as shown here. Its principle is very much like an inner tube tire—there is an inner tube of a fine grade of rubber which is surrounded by an outer covering of soft leather. It is remarked that the saddle can

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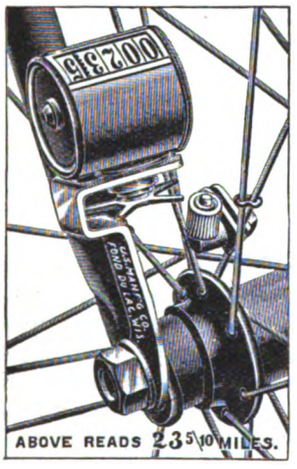
be inflated so that almost every bit of the jar can be taken from the wheel, and in connection with the pneumatic tire,

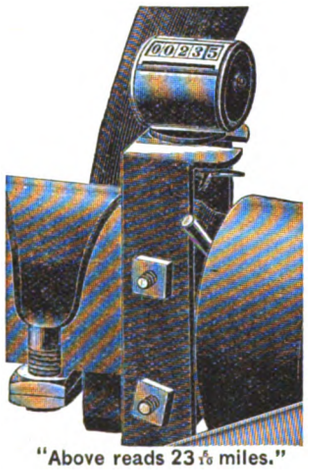


makes riding fifty per cent. easier. The same style is made for ladies and gentlemen.

The U. S. Cyclometer.

U. S. Mfg. Co., Fond du Lac, Wis., are offering the U. S. Cyclometer as herewith illustrated. It is one inch long, ⅞ inch in diameter, and weighs one ounce. It registers 10,000 miles and repeats or may be set back at any time. It attaches on right, allowing the lamp to be carried on left side. It is said to have an entirely new register action, a train of positive gears taking place of the pawl system used in '95 model. The clamp is curved, throwing the meter up and close to fork, out of the way, and safe from accident. The meter is adjustable on clamp for proper distance of spokes. It is remarked that the meter is as nearly dust and water proof as is practical to make it, and that should a little dust work in, it will settle to the bottom and do no harm. Also that water in any quantity cannot injure it, as all parts are made of non-corrosive materials. To clean the meter, remove the end of the case. The working parts attached to the end piece may be cleaned and oiled a little with clock oil; the register may be slipped out to remove any dust





"Above reads 23 ⅝ miles."

that may have worked into case, and the register wheels may be wiped clean, but must not be oiled. It is pointed out that the workmanship is the most careful, and to insure perfect action, every meter is run at least 400 miles on a testing machine, at rate of fifty to sixty miles per hour. Fifty to 100 meters are run at same time on one machine, and several meters have been run 3700 to 4300 miles, and actions have not shown the least wear. The case and all exposed parts are of nickel silver and the springs and wearing parts of phosphor bronze. They are made for 20, 22, 24, 26, 27¼, 28 and 30 inch wheels, and are interchangeable to any size, and will be changed free of charge. A wrench accompanies each meter, the ends fitting clamp nut and spoke stud.

Attention is called to the advertisement of H. O. Canfield, Bridgeport, Conn., the well-known manufacturer of mechanical rubber goods, whose products have the reputation of containing an extra good quality of rubber, and produced by skilled workmen. He is prepared to make any special article at shortest notice, and will be pleased to quote low prices and guarantee satisfaction in every particular.

The F. & N. Lawn Mower Co.

Attention is called to the advertisement of the F. & N. Lawn Mower Co., of Richmond, Ind., successors to the F. & N. Mfg. Co. Erroneous reports have been circulated to the effect that this concern had wound up its business, and that the excellent line of Lawn Mowers manufactured by it would not be again made and offered to the trade. These reports do this enterprising company a great injustice, as the business was simply reorganized with a slight change in the name. It has a paid-up capital of $40,000, and among its stockholders are several wealthy and leading manufacturers.

The excellent line of Lawn Mowers made by this company last year will again be placed on the market, and in addition the company has now to offer the "F. & N. High Grass" to meet the increasing demand for a high wheel mower. This machine is sent out with an absolute guaranty, and is warranted first-class in every respect. The wheels are ten inches in diameter, and the reel seven inches in diameter with four spiral knives. This mower is fitted with the "Micrometer Adjustment," patented by this company, and which is a distinguishing feature of all their lawn mowers. The cutter-bar is of solid tool steel, tempered in oil. The reel knives are made of highest grade crucible steel. The ratchet is the "patent noiseless," and is so "housed up" that dirt and grass cannot get to it and disturb the perfect action of the machine. The "F. & N." still retains its position as a standard high grade Lawn Mower. The "New Delight" is offered as a medium-priced machine. The "Razor Blade" is the lowest-priced machine which the company have to offer, but it is guaranteed to do satisfactory work. In short, the company represent that nothing is used but first-class material, that only first-class workmen are employed, and that every machine is carefully inspected betore leaving the factory, and is put out with an absolute guarantee that it will give perfect satisfaction.

Johnston's Window and Door-Frame Attachment.

J. D. Johnston, No. 70 Pelham Street, Newport, R. I., is successfully manufacturing a Window aud Door-Frame Attachment, for securing storm sashes, storm shutters and the like. The new device consists of a light socket-plate, let into the edge of the outside casing, and flush with the same; a narrow vertical slot recess being formed in the plate; a thin latch-plate or tongue pivotally mounted in recess, and adapted to be swung or turned outward when occasion demands. "The tongue is provided with a countersunk perforation adapted to receive a screw, which is passed into the storm sash or shutter from the inside of the room. It will be understood that the device just described is to be used in series, two or more being used on either side. These socket-plates are designed to be permanently set; and in seasons when it is desirable to place screens, storm sashes or shutters, the tongues are turned out of the recesses and a screw is passed through each into the wood frame. The job is at once perfectly neat and secure." These sell at twenty-five cents each. Further mention of them, with illustration, can be found on page 54 of this issue.

The United States Foundry Co., No. 11 South William Street, New York, inform a representative of HARDWARE that while not many months ago they held a stock of 3,400 tons of Sash Weights at their various foundries, they now do not have one-tenth of this quantity on hand. No stronger evidence of the revival in the building trades could be found than in this fact.

American agricultural implements and barb wire are in great demand in South Africa.

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International Rolling Wire Window Screen.

The International Rolling Screen Co., No. 113 Devonshire Street, Boston, Mass, are introducing a Rolling Wire Window Screen, as shown herewith. Guide racks made in combination of hard rolled brass and enameled steel plate are screwed to the sides of the window frame, inside the sash. The cylinder casing within which the screen is wound is of steel, tinned and enameled to prevent corrosion. Within the cyclinder is an iron tube of terne plate upon which the

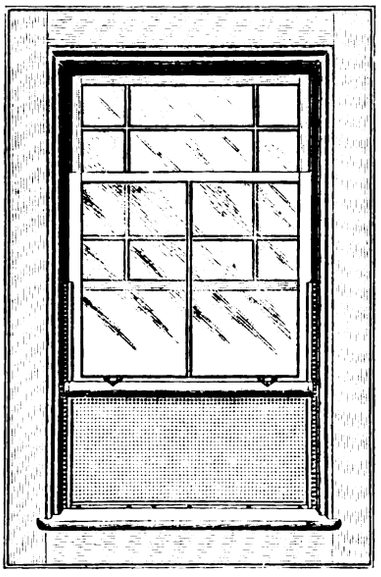


FIG. 1.

screen winds. A shaft of steel, coppered, runs entirely through the cyclinder, on the outer ends of which hard rolled lacquered brass pinions are keyed and riveted. The tension spring is of steel, hard rolled and tempered. The bearing caps are of hard rolled brass, lacquered, and the foot piece, which is fastened above the window sill, is enameled steel. When not in use the screen rolls up in the cylinder casing at the base of the window, on the inside, as shown in Fig. 2, and when rolled up occupies a space of 1¼ inches in diameter. The screen is raised or

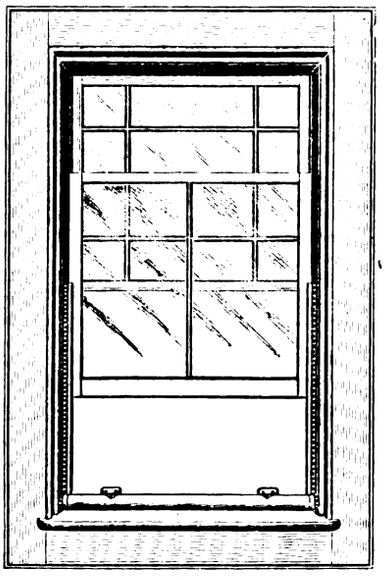


FIG. 2.

lowered similar to a window shade, and is wholly independent of the sash. The cyclinder may be raised to any height on the lower sash desired, raising and leaving the bottom of the lower sash the same height as the cyclinder. A weather strip is placed on the bottom of the upper sash, so that the rubber just clears the glass of the lower sash. This is to prevent flies from crawling between the sash, and also serves as a weather strip in the winter. The racks and foot piece are provided with felt strips to make the lower sash perfectly weather stripped when closed. The screens are furnished in colors to match the window sash, in ivory, white, cherry and oak. The point is made that the rolling screen casings and fittings will wear many years, and that they may be painted over whenever painting the window sash; also that the copper bronze wire cloth will probably be the only part requiring renewal, and that the cloth is likely to wear 12 or 15 years. It is stated that a competent carpenter can put in from 20 to 35 window screens per day. The following points of excellence are brought out by the manufacturers: When the screen is not raised it is thoroughly protected from the weather by being rolled up in the case; the screen can be used at any height of the lower sash, and does not leave wire cloth behind or in front of the glass to look through; the screen operates freely and continues to do so, as it is not subjected to the swelling and shrinking of the wood-work as outside sliding screens are; that it does not require removing from the window casing the year round, but it can be conveniently taken out if desired; the screen is entirely out of the way when washing the windows or when the blinds need adjusting. The screens as a whole are ornamental, and are guaranteed by the makers for five years. The company state that they have just been awarded a silver medal at the Mechanics' Fair, in Boston, which is the highest prize ever awarded for screens.

The Chicago Cycle Show.

It seems to be an assured fact that the Chicago Cycle Show, which will be held at Tattersall's under the direction of the Board of Trade of Cycle Manufacturers, January 4th to 11th, will be productive of great good, both in direct returns to the exhibitors and in the education of the agents and others attending. The list of exhibitors numbers 105 and has already appeared in HARDWARE.

If it were possible to get the use of a building with double the floor space of Tattersall's, which is located at the corner of Sixteenth and Clark Streets, every inch of it would be occupied by those establishments which have already been allotted space at the Show as well as by those who were late in making application for space, and so are denied the opportunity of exhibiting their goods. Even at this date, with the Show yet six weeks away, there are almost a score of establishments which have been denied admittance to the Show owing to want of room within the building. Originally it was planned to hold the exhibition in the Coliseum Building, which huge structure collapsed as it was being erected. The Coliseum will be available for the next Chicago Cycle Show, for the building is now being reconstructed, and will be ready for occupancy by next summer.

The Show will open on Saturday evening, January 4th, and close the following Saturday. That the representation will be of the widest character is patent to anyone who will carefully examine the list of exhibitors. Agents and attendants at the Show will again be entitled to the same reduction in railroad fare which was obtained for them on the occasion of the last Chicago Show. A rate of a fare and a third for the round trip will be issued.

Tattersall's Building is not more than ten minutes' walk from the centre of the business district. The appearance of the Show will be much superior to that seen at the last exhibition. The exhibits are mixed, and not as they were last January, in departments.

Every effort is being made to bring agents up to Chicago for the purpose of inspecting the new models, and from assurances now in hand and the education which these agents who attended the last Show received, it is expected that at least 5000 dealers will be recorded upon the trade visitors' book.

The United States has already exported $3,442,468 worth of Hardware during 1895.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

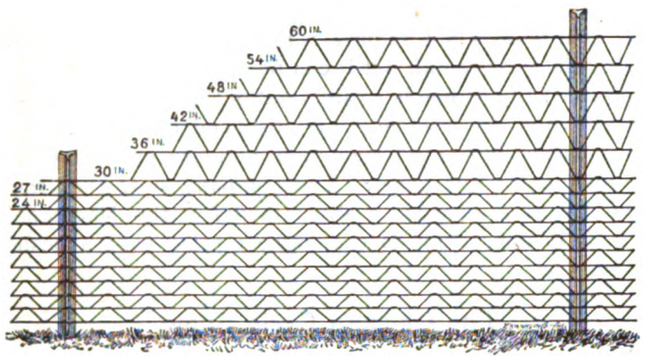
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

The Hartman Stockade Fence.

The Hartman Mfg. Co., Ellwood City, Pa., are offering a Woven Wire Fence, as shown here. It is constructed of



galvanized steel wire, No. 13, and is designed to stand climatic changes in temperature. The bottom strands have a three inch mesh close enough, it is remarked, to turn the smallest pigs or fowls. The top strands have six inch meshes, thus economizing material to the best advantage. The makers state that this fence is easily put up, and it weighs 20 to 25 per cent. more per rod than other styles of woven fencing, and that an ordinary wire stretcher will do the work. It can be used for sheep, pigs, poultry or as a protection against rabbits. The above illustration shows the different heights of the stockade fence. It is put up in standard rolls of twenty rods each, or in special lengths when ordered.

White City Combination Puzzle Safe.

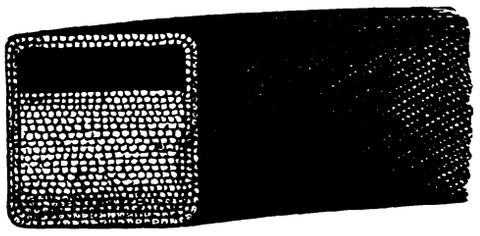
Nicol & Co., Nos. 55 and 57 West Washington Street, Chicago, Ill., manufacturers of Hardware Specialties, have brought out a line of Toy Banks, one of which is herewith shown. They are of gray iron, highly nickel plated and so constructed that the money cannot be shaken out. The



problem of opening the bank cannot be solved without first being shown. Directions and solution of the puzzle are packed with each one. They are so constructed that they will not get out of order. Pictures of the World's Fair Buildings and of the Ferris Wheel are engraved on them. The line covers several sizes of safes of the regulation pattern, as shown in the cut, also a representation of a barrel of money and a pail of money, all of them being puzzle banks.

Garlock High Pressure Packing.

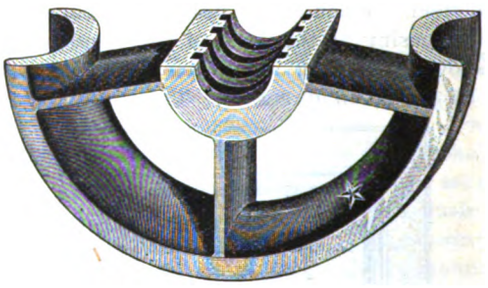
The Garlock Packing Co., Palmyra, N. Y., are placing on the market a High Pressure Packing, as here



illustrated. It is made of selected fibre and metal, in combination with the Garlock Packing Compound. This packing is described as being especially adapted to high pressure work and is so constructed as to ensure long service. It is made in 16th and 8th sizes from one-quarter inch to two inches square.

Self Lubricating Bushing In Block Sheaves.

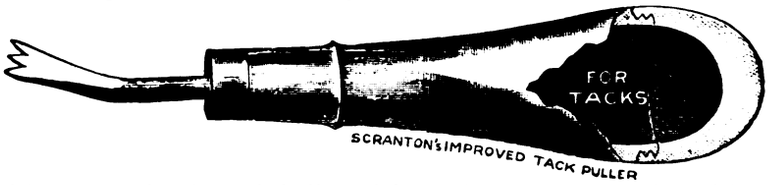
The accompanying illustration represents Ford's Bushing, which came by purchase into the hands of the Boston & Lockport Block Co., Boston, Mass., who are now placing it on the market. It consists of the combination of a self lubricating composition with the iron in the hub of the sheave, to produce a wearing surface that will run continuously without oil and a great reduction of friction, thus avoiding heating and squeaking. All sheaves with the



Ford's bushing will have a bronzed groove and will be known to the trade as Gilt Edge Brand. The company state that actual tests have proven that blocks with Ford's Patent Self Lubricating Bushing will last three times as long as those with plain or common bushings; that their cost is but a small percentage above that of the regular common bushing blocks, and that they are prepared to furnish the goods from either their Boston or Lockport factories, or from their stores in New York, Chicago and St. Louis.

A New Tack Puller.

Scranton & Co., New Haven, Conn., are placing on the market the Tack Puller represented in the accompanying illustration. The jaw has three points, is made of tempered steel, and firmly set in the handle. The handle is

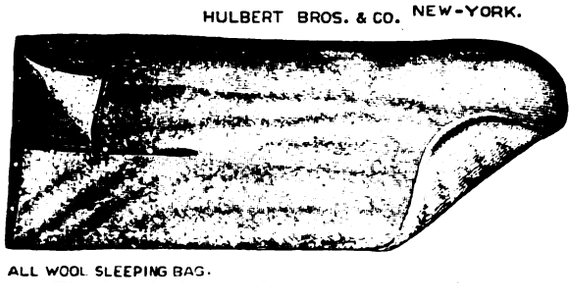


made of wood, hollowed for a place to store tacks, with a top which screws on. The manufacturers state that it is adapted for household use, being light and convenient to handle.

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The Hulbert Sleeping Bag.

Hulbert Bros. & Co., No. 26 West Twenty-third Street, New York, have perfected a Sleeping Bag as here shown. It is a heavy, all-wool blanket closely fitted, with a soft nap inside to make it comfortable, it is claimed, even in zero weather, designed for use of all kinds of sportsmen and people whose occupation necessitates their sleeping out of

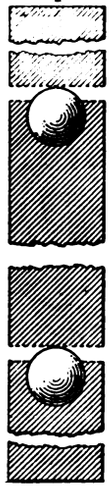


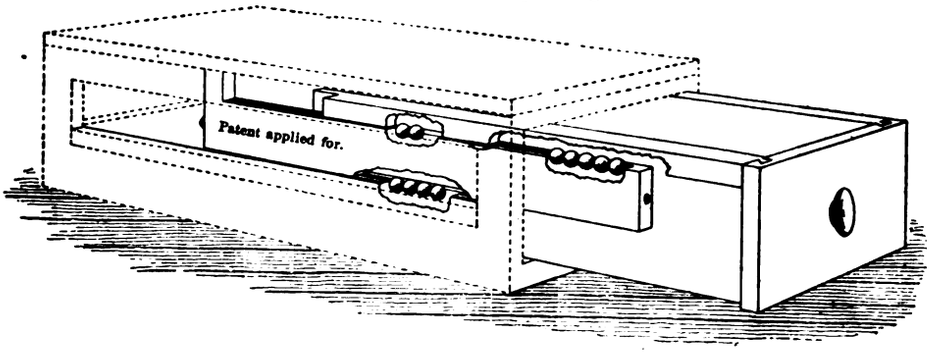
ALL WOOL SLEEPING BAG.

doors. The bag is fastened by patent snap fasteners, such as are used on gloves, but much larger in size. The top of the bag is so made that it comes well up around the neck and fastens down the front, making an absolute protection for the entire body. The back is sixty-four inches wide and six feet long, to give freedom to the movements of the legs and arms. This is preferable, it is pointed out, to being bound up almost immovable, as in the case when rolled up in an ordinary blanket. It is remarked that it is the work of but a few moments to get out of the bag, which can be done more quickly than with square shaped covers; also, that as the bag is closed at the bottom and sides it is not necessary that another wrap the occupant up, and that it is impossible to kick the feet out and thus catch cold. The shape of the bag, also, makes it valuable as a knapsack for carrying clothes. The bags come in three weights, the extra heavy being particularly suitable for the Northwest; and in red, gray and dark colors.

Kimball's Ball-Bearing, Anti-Friction Drawer Running Device.

Kimball & Palfray, No. 45 Kilby Street, Boston, Mass., have introduced a Ball-Bearing, Anti-Friction Drawer Running Device, as herewith illustrated. The makers state "that operating as it does on the ball-bearing principle, on steel balls which will not get displaced, and moving so easily that a slight touch of the hand will close a drawer, it is particularly desirable for office desks, bank drawers and stores using drawers for heavy merchandise." It is further said that it can be applied to any size drawer, on old or new furniture, by an ordinary mechanic, and is so constructed that when applied to a drawer, operating as it does on ball bearings, it overcomes the difficulty which so often arises from swelling and binding, and can be opened or closed with one hand from either end. It also allows the drawer to be opened its full length, greatly facilitating its





use in the stowage and removal of goods. The drawer can be removed for dusting, etc., and replaced without difficulty. The device is manufactured in three sizes, 16, 22 and 28 inches long, which can be reduced to fit any size drawer. Prices are as follows: 90 cents for 16-inch size; $1 for 22-inch size; $1.10 for 28-inch size. Special sizes made to order at short notice. Discount to the trade.

Rotary Shackle Automatic Padlock No 942.

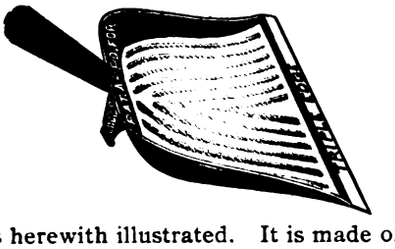
The Slaymaker-Barry Co., Lancaster, Pa., John H. Graham & Co., No. 113 Chambers Street, New York, agents, are putting the padlock shown in the illustration on the



market. It is described as being high grade, all parts of cast bronze metal, with three tumblers, phosphor-bronze springs, depressed background finished in dead-black enamel, while the rest of the lock is polished and lacquered. Two rolled steel keys, nickel plated, accompany each lock, with no two alike in a dozen. To unlock, the key is turned in the usual manner, drawing the shackle into the case, where it is held automatically by the trigger shown in the opening of the case, thereby releasing the object locked. To lock, the staple or eye bolt is touched on the trigger, thus releasing the shackle, which automatically rotates and locks the lock. The point is made that the trigger, being near the top of the lock, will permit contact with the staple, no matter how short it may be, and the consequent operation of the lock. The manufacturers state that the action of the lock is positive and smooth, and that the mechanism is so arranged that the operation of the lock by the key is very smoothly and easily accomplished.

Triple Edge Never Slip Dust Pans.

The Seavey Mfg. Co., No. 119 North Street, Boston, Mass., are offering the trade the Triple Edge Never Slip



Dust Pan, as herewith illustrated. It is made of steel and wired with triple edges, so constructed, it is explained, as to make a pocket to retain the sweepings. Another feature, it is pointed out, is the "Neverslip," which is a rubber foot under the pan to prevent it slipping when placed on the carpet or the floor.

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Chicago Copper Utensils.

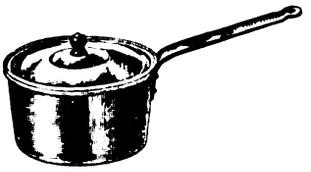
The Illinois Stamping Co., Chicago, Ill., have begun the manufacture of the Chicago line of Copper Cooking Utensils. It is believed that they are the first to produce stamped ware of this character from copper. We illustrate herewith a Lipped Preserving Kettle, Deep Cooking Pot,





Lipped Saucepan and Stewpan. These sufficiently represent the company's line, which at present covers saucepans, preserving kettles, cooking pots and stew pans, but will soon include tea and coffee pots, and be rapidly extended to other specialties. They are all tinned on the inside, so that they are perfectly wholesome and free from any suspicion of unhealthful action on the contents. The general manner in which these goods are finished is indicated by the following description of the lipped preserving kettle:

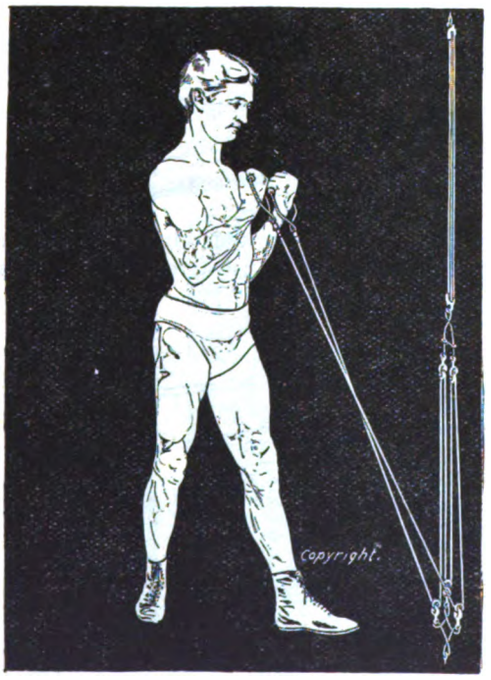




The material is heavy copper, tinned on the inside; the lip is deeper than in the ordinary lipped kettle; the ear is so made that the handle cannot rest upon the vessel to get heated or to mar the edges of the vessel itself; the exterior finish is as attractive as possible. The company's trademark is into the metal, and is not put on in the form of a paster or label. The price is moderate when the excellence of the goods is considered.

Universal Exercising Machine.

Hulbert Bros. & Co., No. 26 West Twenty-third Street, New York, have placed on the market a home Exercising Machine as illustrated herewith. The machine is described as being changeable in resistance from one to forty pounds, so as to regulate it to suit any strength, from that of a child to that of a man. The machine can easily be put up anywhere without tools, and weighs less than two pounds.



It is referred to as absolutely noiseless, and is warranted by the manufacturers for two years. With each apparatus is given an illustrated book of instructions, containing fifty half-tone photographs taken from life, together with a complete treatise on McFadden's system of physical training. The machine is packed in a pasteboard box six inches square and two inches deep.

Universal Swivel Bench Vise.

Greene, Tweed & Co., No. 83 Chambers Street, New York, are offering the Universal Adjustable and Swivel Bench

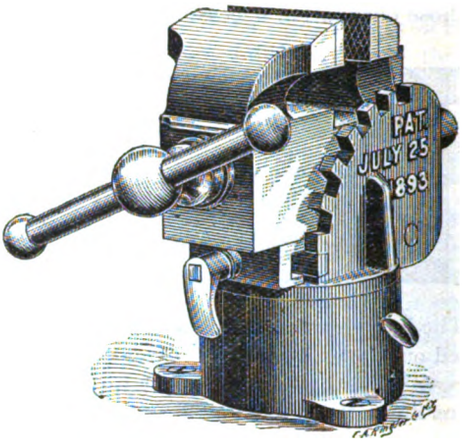


FIG. 1.

Vise here shown. Figs. 1, 2 and 3 represent the vise in a variety of positions, which, by means of the finger piece seen in front, used in conjunction with two coil springs,

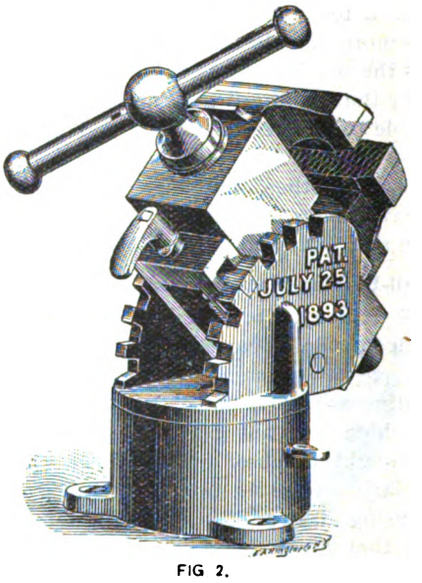
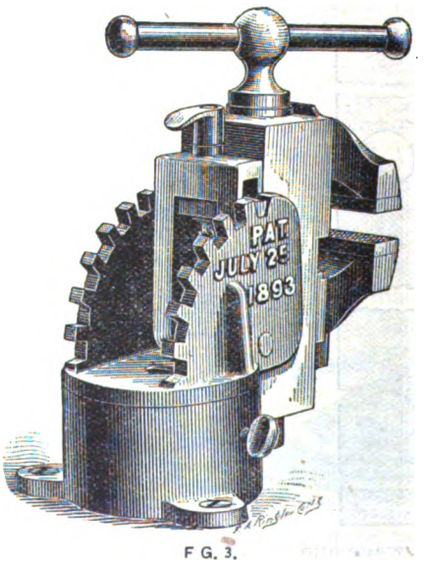


FIG 2.

permit the work to be held in any position most convenient in an arc covering 180 degrees. In addition the entire upper portion revolves horizontally, making it possible to hold



F G. 3.

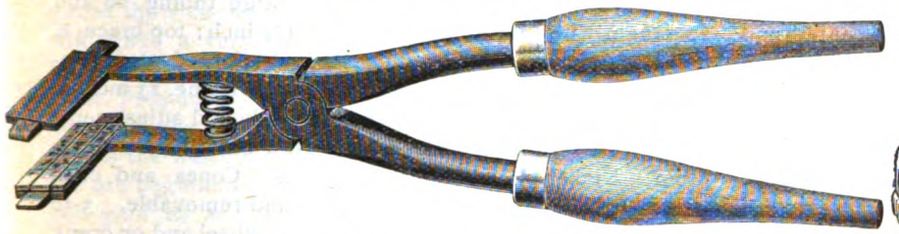
materials at any angle, the small thumb at the right holding the swivel at any desired point. The jaws are steel faced, lever and screw wrought iron and body of vise cast

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iron. So far the sizes manufactured are Nos. 2 and 4, having widths of jaw three and five inches respectively. The vises are made by the Lewis & Laurie Mfg. Co., No. 142 Duane Street, New York.

Alpha Dish Tongs.

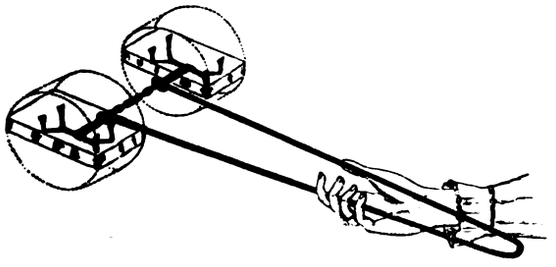
The Elizabeth Mfg. Co., No. 2 Irvington Place, Elizabeth, N. J., are introducing Dish Tongs, as illustrated. They are made of malleable iron, japan finished, with polished wood handles and nickel ferrules. The tongs are designed for use when washing the dishes in scalding water, to avoid the necessity of putting the hands in the water. The makers state that the tongs are shaped to adapt themselves to



any form to pick up plates, platters, saucers, cups, spoons, bowls, etc., and that the jaws are ingeniously covered in a manner that insures a firm grip. The point is made that dishes washed in scalding water cleanse perfectly and dry instantly, and that in connection with a dish mop the tongs remove the most disagreeable features of dish washing, to say nothing of the extra cleansing and drying.

Revolving Bread Toaster.

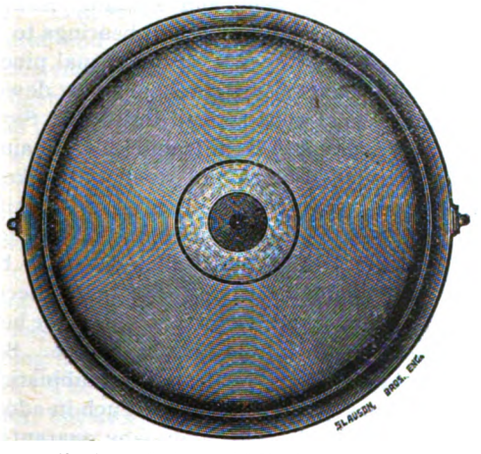
The accompanying illustration represents a Rèvolviag Bread Toaster, placed on the market by the Cincinnati Mfg.



Co., Cincinnati, Ohio. The bread is placed on the prongs, and, by pressure of the hand, revolves over or in front of the fire. It is explained that the bread is toasted uniformly on both sides and at the ends, and that the device protects the hands and face of the operator from the heat.

New Cronk Griddle.

The Cronk Hanger Co., Elmira, N. Y., are introducing a new Griddle as illustrated herewith. The makers explain



that the peculiarity of the griddle is that the heat is evenly distributed over the whole upper surface, these results being obtained by means of a deflecting centre composed of asbestos and galvanized iron in the form of a pad, which is secured to the under side of griddle, for the purpose of intercepting and turning away a portion of the heat that would otherwise pass through this central portion to the upper surface. The griddle is said to brown the cakes evenly and free the kitchen from smoke.

Another Akron Novelty.

When Solomon declared there was nothing new under the sun, he had not yet paid a visit to Akron, Ohio. Hardly



FIG. 1.



FIG 2

a day passes that the Enterprise Mfg. Co. of that enterprising city does not turn out some novelty in disproof of this assertion. Among the latest efforts in that direction may be counted Pflueger's patented Lamp Stove and Curling Iron Heater, which is described as "just the thing for family use and outing parties." In Fig. 1 is shown the Heater as it appears on the chimney; in Fig. 2 one of its uses in the kitchen, the nursery or the sick room. The especial points made in its favor are: Will fit any size chimney; will accommodate any size or style of curling iron; curling iron can be adjusted as close to the flame as desired; Heater will positively not smoke up the chimney; has no equal for utility, neatness and durability; will hold a small kettle or other receptacle, and requires but a few moments to heat contents; a great convenience in case of emergencies during the night; will hold two or more irons at one time. It is made entirely of heavy spring brass, and fiuely plated nickel silver. Packed one in a box and one dozen boxes in a carton.

The Enterprise Mfg. Co. make this special offer to retail Hardwaremen. They will send one dozen Heaters put up in cartons, to any address on receipt of sixty cents, by mail or express, prepaid. This is the price sold to the jobber, the regular retail price being $9 per gross, but they feel that samples at five cents each would interest the trade, and furnish a test of the selling qualities of the article. Give them a trial.

Crimson Rim Record.

On December 4th, John Green and C. S. Erswell, both of Cheyenne, Wyo., broke the world's records for the mile straightaway unpaced flying start and the mile straightaway unpaced standing start. Both riders were mounted on Syracuse wheels. The new records established were as follows: 1-mile straightaway unpaced flying—John Green, ½-mile, :41 2-5; 1-mile, 1:25. 1-mile straightaway unpaced standing—C. S. Erswell, ½-mile, :51 2-5; 1-mile, 1:40 1-5. These performances were timed and witnessed by the proper officials of the L. A. W. and C. R. C. The Syracuse Cycle Co. state that they are "in possession of affidavits substantiating the authenticity of these records given by judges, timers and others appointed by chief consul of the State."

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BICYCLE ANNOUNCEMENTS FOR 1896.

ROYAL CYCLE WORKS.

The Royal Cycle Works, Marshall, Mich., will offer six wheels for the season of 1896. The detailed description of four of the models follows. Royal Limited: Actual weight 22½ pounds, 24 inch frame, large tubing, reinforced joints, drop forgings throughout, solid forged fork crown, with nickeled head; 28 inch wheels, barrel hubs, best piano wire swaged spokes, detachable and reversible sprockets, ¼ inch Humber pattern tool steel chain, with hardened centers and hardened rivets; oval forged cranks tempered in oil, 1 inch handle bars, tapered at end to ⅞ inch; Brandenburg pedals, Garford, Sager or Gilliam saddles, any gear from 60 inch to 76 inch, Morgan & Wright, Palmer or detachable Dunlop tires; 5-16 inch balls in crank axle, ¼ balls in both wheels, tool steel bearings, 5 inch head, standard finish, black, with nickeled parts on copper. Royal Tandem: Actual weight 37 pounds, 24 inch frame, large tubing, reinforced joints, drop forgings throughout, solid forged fork crown, 28 inch wheels, barrel hubs, best piano wire swaged spokes, Humber pattern tool steel chains, 76 inch gear, 16 tooth auxiliary sprockets, additional flying sprocket to take up stretch in chain, oval cranks, rear crank tread 5½ inches, front crank tread 4¾ inches, 1 inch handle bar, tapered at ends to ⅞ inch, Brandenburg pedals, Garford, Sager or Gilliam saddles, Morgan & Wright, Dunlop or Palmer tires, large ball bearing, double steering. Specially designed for gentlemen riders. Royal Red Head: Actual weight 18 pounds, standard height of frame 24 inches, large tubing, reinforced joints, large fork sides and solid forged crown, with head nickeled; 28 inch wheels, barrel hubs, best piano wire swaged spokes, detachable and reversible sprocket, 3-16 inch Perry-Humber chains, oval forged cranks tempered in oil, rams' horn handle bar, racing pedals, Sager saddle, with direct or forward head post, standard gear, 72 inches, Palmer tires, large balls, tool steel bearings, 4¾ inch tread, nickeled parts, standard finish, green with red head. Lady Royal: Actual weight 23 pounds, 21 inch frame, large tubing, reinforced joints, drop forgings throughout, solid forged crown with nickeled head, 28 inch wheels, barrel hubs, best piano wire swaged spokes, detachable and reversible sprocket, ¼ inch Humber pattern tool steel chain, with hardened centers and hardened rivets: oval forged cranks tempered in oil, 1 inch handle bar, tapered at ends to ⅞ inch; Brandenburg pedals, large new ladies' saddle, 63 inch gear, Morgan & Wright, Palmer or Dunlop tires, 5-16 inch balls in crank axle, ¼ inch balls in both wheels, tool steel bearings, 5¼ inch tread, standard finish, black, nickeled parts on copper, and fitted with improved dress and chain guards.

S. A. HAINES CO.

The S. A. Haines Co., No. 44 North Pennsylvania Street, Indianapolis, Ind., will have eight models on the market during the season of 1896. We describe two of the principal wheels; The Nonpareil: Frame of large tubing, 20 and 22 gauge. Lower and upright tube, 1⅛ inch; rear forks and stays, ¾ inch; forged steel connections; wheel base, 43 inches; 10 inch head; two heights of frame, 23 and 25 inches, respectively, both having a horizontal top bar. Barrel crank hanger. New rear fork adjustment. Raleigh pattern front fork crown. New barrel hubs, dust proof. Nickel-plated tangent spokes. Flush oil cups. Cones and cups turned from solid bar steel, and removable. 3-16 inch balls in front wheel, ¼ inch in rear wheel and to crank axle. Removable front and rear sprockets. 5¾ inch tread. 6½ inch cranks. Fine ¼ inch new chain. Geared regularly to 66½ inches, or otherwise, as desired. Four new styles of handle bars. Cork grips, with hard-rubber caps. New handle-bar clamp, attaching without threading upper fork column. Fine black enamel. New L seat post and special pattern Hunt saddle. Fine wrench, oiler and pump in oval tool bag. Nonpareil, Model A, 23 inch frame, 28 inch wheels, wood rims, M. & W. quick repair tires, $75. Nonpareil, Model B, 25 inch frame, 28 inch wheels, wood rims, M. & W. quick repair tires, $75.

The Belle, ladies' wheel: Frame of large tubing, 20 and 22 gauge. Lower and upright tube, 1⅛ inch; top brace, ⅞ inch; rear forks and back stays, ¾ inch; forged steel connections; wheel base, 43 inches; height of frame, 23 inches. Barrel crank hanger. New rear fork ends and adjustment. Raleigh pattern front fork crown. New barrel hubs, dust-proof. Nickel-plated tangent spokes. Cones and cups turned from solid bar steel, hardened and removable. 3-16 inch balls in front wheel, ¼ inch in rear wheel and on crank axle. Removable front and rear sprockets. 6 inch tread. Fine new ¼ inch chain. Geared regularly to 63 inches, or otherwise, as desired. Cork grips, with hard rubber caps. New style handle bar. New handle bar clamp attaching without threading upper column of fork. Fine black enamel. Wood, mud and chain guards. Brake furnished when desired. New L seat post. New pattern Hunt saddle. Usual tools in oval leather tool bag. 28 inch wheels, wood rims, M. & W. quick repair tires. $75.

FENTON METALLIC MFG. CO.

The Fenton Metallic Mfg. Co., Jamestown, N. Y., will have the following models on the market for 1896: Model 26, track racer. Model 27, 22 inch and 24 inch frame (parallel bearings). Model 28, 24 inch and 26 inch frame (crank hanger dropped 1½ inches). Model 29, the Lady Fenton.

Described as follows: Weights, from 18 to 23 pounds. Frame, Fenton diamond, drop forgings and swallow-tail reinforcements at all connections. Tubing, head, 1½ inches; main tubes, 1¼ inches; rear bottom forks, ⅞ inch tapered to ¾ inch; rear upright forks, ¾ inch. Tread, 4¾ inches. Spokes, 36 rear, 32 front, double swaged. Hubs, cold drawn seamless steel tubing, mandril finishing, giving increased strength as compared with hubs turned from the bar. Bearings, triplex or three point in construction. Ball-retaining cases in all bearings; ⅜ inch balls in crank hanger, 5-16 inch rear hub, ¼ inch front hub. Rims, best laminated or built-up wood, mahogany finish. Handle bar "Fenton adjustable," same as used in 1893, 1894 and 1895; ⅞ inch tubing; three choices of bend and spread. Handle bar tightener, a new device, containing ball bearings to obtain a firm fastening without the use of the usual pinch-bind split ring and bolt. Seat post tightener, a new device, doing away with the usual split socket and bolt. Simple in construction, and removable from frame tube. Chain, special pattern with hardened block and rivet. Sprockets, detachable, front and rear. Chain adjustment, positive and accurate. Crank, triangular hole. Binds on the whole surface of crank axle. Parallel bolt which does not bind on axle. Easily detachable. Driving the pin unnecessary. Tires, we shall endeavor to give our customers the best tires of their class, both double tube and hose pipe. Saddles, any standard make. Pedals, rat-trap or combination rubber. Wrenches, we supply a spanner wrench in addition to regular type of wrench." The company guarantee their wheels for one year.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the United States Projectile Co., at South Brooklyn, N. Y., the steel framework for a new annealing room. The building is 100 feet wide and 150 feet long, and is designed to be a fireproof structure.

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NEW ENGLAND HARDWARE DINNER.

The third anniversary of the New England Hardware Dealers' Association was held at the United States Hotel, Boston, on the evening of December 11th. This being Ladies' Night, the banquet was preceded by a reception.

After the banquet, the president, Hiram G. Janvrin, with a few remarks called the members to order for a short business session, as he said, to show the ladies how the business of the Association was conducted. He then introduced the vice-president, Samuel H. Thompson, of Lowell, who gave a very interesting address of welcome to the ladies, as follows:

Mr. President, Ladies and Fellow Merchants: To me is assigned the delectable task of extending to our lady guests the welcome which we know they feel is sincere. We are beginning to realize the full measure of pleasure you give us at these banquets. And whereas the first ladies' night was an experiment, the third is an experience which we often hope to repeat.

I suppose I am expected to talk on some subject in which woman is a conspicuous figure, and I suppose I might take up the subject of marriage, as this is a subject in which woman figures very conspicuously, and whether man is willing to admit it afterward or not, she is a more important factor in the case than he is, and he is willing then to acknowledge her superiority. I believe under the era which exists, in marriage ceremonies woman is not obliged to "promise to obey." To tell you the truth, in my own case I couldn't say just what the minister did say, and I am not sure that he didn't reverse the old order of things and exact the promise from me, for Mrs. Thompson solemnly avows she never "promised to obey." But conditions are changing, and why shouldn't woman change also? Perhaps I might, with profit to both sexes, touch upon the much talked of subject, the New Woman.

Whether man is willing to admit it or not, there is coming to the front a new type of womanhood which is making its claims for greater advantages, freedom of thought and of action, and a place nearer the level of man than has been hers in the past.

Man is a selfish being, and for centuries has made and based his claim of superiority on the fancy of his brain and the bulk of his body (exceptions to the contrary once in a while.) It has been an interesting study to me to know how and where and on what grounds his claims of superiority were made, and I have arrived at only one conclusion, namely: That when God made Adam and Eve, he made Adam first, and on the "squatter claims" basis of priority of existence, man has set up his sign of authority and he has been walking up and down the world ever since to establish it; but the brain power of woman is leveling the height which man has raised, and she is nearer the design of the Creator than ever before. Man has seen this evolution going on, but has failed to comprehend it, and so to the bewildered senses of some men they have taken on fantastic shapes and ways, and so he has attempted through the cowardly role of ridicule, to picture the "new woman" as a "masculineated female" who desires to appropriate everything in the same measure as he himself has done in the past. The picture he draws is a reflection of his own character, but he knows it not.

It has been truly said, that the greatness of a nation depends upon the estimate it places on woman, and we know that is true in our own country, for where, in all this wide world, is woman on such a level with man as here in our own country? The cause for the new woman is the need of the new man.

The American business man is a surprise and a marvel to the world. No scheme is too large for him to comprehend or master; but through it all runs the query, how has it been brought about? Conditions make the man, why not the woman? The great and urgent demand to-day in all the complexity of business life, is the "new man:" let him evolve from the shadowy form into a strong, realistic manhood, such as stirred the souls of our Christian forefathers, and the cry of the "new woman" will not be heard. The new woman is a creation, and not an invention, as many of our papers of the present day seem to think, she is a creation made to meet conditions into which she has been forced. The American home life has been forced out of its natural elements by extreme social demands, which create an unnatural appetite for fast living, and to meet the expense entailed men are not able to supply, oftentimes, means to carry on the sham and show, and women are forced into the maelstrom of the business world to get what she must have if appearances are kept up. This, of course, applies to only one phase or type of the new woman.

The other type, and the true type, is found in the educational processes which are transforming body and soul, giving her a right to think and speak as her judgment dictates, and, with a brain equal in every way to man's, who can claim she shall not assert it? The mothers of the future will not be the same as those of the past; they will be better. The woman of the future will not be a type of the past, but better. No new thing or great change of old customs ever took place without ridicule and scorn. These are the fires in which character is refined. Triumph is only secured by superiority, and that woman will triumph is as sure as the stars that stud the firmament above, and she will become the stars that stud this world of ours.

Again we welcome you, and can only say in closing, that your pleasure has been ours.

An entertainment programme was presented by the Adelina Women's Orchestra, D. W. Howard, manager, assisted by Elizabeth A. Hawkins, soprano, and Maxwell Bingham, humorist.

Among those present were: President Hiram G. Janvrin and wife, Boston; Vice-President Samuel H. Thompson and wife, Lowell; Treasurer James L. Work and wife, Boston; Secretary James A. Farless and wife, Boston; Mr. and Mrs. W. H. Warren, Boston; Mr. and Mrs. A. S. Morss, Boston; A. M. Gardner, Boston; Mr. and Mrs. T. H. Baldwin, Boston; Mrs. M. E. Austin, Lawrence; Mr. and Mrs. E. M. Sanborn, Lawrence; Mr. and Mrs. W. D. Carlin, Natick; Ida B. Adams, Lowell; C. E. Adams, Lowell; J. H. Sayward, Haverhill; Frank M. Smith, Boston; Mr. and Mrs. E. L. Richards, Boston; Mr. and Mrs. E. J. Neale, Lowell; Mr. and Mrs. E. M. Richardson, Waltham; Mrs. C. W. Thompson, Lowell; Mr. and Mrs. W. E. Plumer, Somerville; Mr. and Mrs. S. C. Higgins, Somerville; Mr. and Mrs. W. C. Whitney, Somerville; D. Walden (HARDWARE) and wife, Somerville; C. F. English (*Iron Age*), Boston; Mr. and Mrs. A. W. DeWolf, New Bedford; Mr. and Mrs. B. C. Prim, Taunton; Mrs. I. B. Short, Taunton; Mr. and Mrs. J. A. Cook, South Boston; Mr. and Mrs. J. McGlinchy, Olneyville, R. I.; James McGlinchy, Olneyville, R. I.; Mr. and Mrs. A. S. Percival, Waltham; Mr. and Mrs. J. B. Taylor, Lawrence; Mr. and Mrs. F. W. Kidd, Lawrence; Mr. and Mrs. G. E. Mulhall, Boston; Mr. and Mrs. B. F. Glover, Roxbury; F. E. Mason, Roxbury; E. F. Turner, Boston; M. A. Chandler, Boston; C. C. Richards, Boston; Miss Raymond, Somerville; L. H. Raymond, Somerville; Mr. and Mrs. H. W. Raymond, Somerville; Mr. and Mrs. J. P. Mackay, Brockton; C. Mackay, Brockton; Mr. and

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Mrs. W. N. Irving, Boston; D. Fletcher Barber, Boston; T. W. Brown, Boston; A. T. Young, Boston; Geo. J. Collins, Lynn; Miss Alice F. Ingalls, Lynn; Mr. and Mrs. J. M. Fiske, Natick; Miss Fiske, Natick; Mr. and Mrs. H. D. Sawyer, South Framingham; Mr. and Mrs. F. L. Ellis, Medford; T. J. Morton, Taunton; F. R. Washburn, Taunton; Mr. and Mrs. E. H. Bowers, Needham; S. K. Balkam, Jamaica Plains; Miss C. M. Loring, Jamaica Plains; F. Willett, Roxbury; N. P. Hayes, New Bedford; Mr. and Mrs. J. T. Cushman, Newton; Edwin Hale, South Boston; C. M. Nichols, South Boston; Mrs. M. E. Nichols, South Boston; Mr. and Mrs. C. O. Tukey, Chelsea; Mr. and Mrs. J. C. Holden, Hudson; Mr. and Mrs. J. F. Pennell, Cambridge; Miss J. M. Plumb, Boston; Miss Mabelle C. Janvrin, Boston; Miss Emily S. Warren, Boston; Mrs. H. P. Mulhall, Boston; Mr. and Mrs. H. W. Sanders, Boston; E. C. W. Bliss, Chelsea; Miss Florence C. Bryden, Chelsea; A. M. Wiley, Boston; Mr. and Mrs. M. W. Hanscom, Haverhill; Miss Nellie W. Joslin, Hudson; A. C. Lawson, Marlboro; Mr. and Mrs. J. H. Robinson, Hudson.

"Niagara Falls Did It."

Sidney Shepard & Co., No. 145 to 149 Seneca Street, Buffalo, N. Y., under the caption of "Niagara Falls Did It," call attention to their aluminum ware. "The mighty cataract which has long been the stupendous wonder of the age, has at last been harnessed, and made to lend its gigantic strength to the service of man. The first practical application of this power to be made, is in the production of aluminum; electricity is the important factor, and it is here obtained in enormous quantities at a comparatively low cost. Thus, with the help of Niagara's magnificent strength, a result is obtained otherwise unobtainable, and this lovely metal, 'Beautiful as Silver, Pure as Gold,' is brought within the reach of all. Aluminum being now nearly as cheap as copper, no one, to whom the consideration of purity, cleanliness, durability and the other peculiar qualities of aluminum ware properly appeal, will use anything else."

The company manufacture tumblers, straight seamless or "Buffalo" cups, funnels, measures, liquor mixers, beer trays and servers. The following is an extract from "A Simple Luncheon" prepared by Miss Caldwell, the celebrated teacher of cooking, in her own kitchen: "No, this is not a silver fry pan. It is much better. It is aluminum. They told me such a funny thing about it when this was bought; they said it would not brown, but when you look at this beautiful golden brown rice cake, you will see that they were very much mistaken. These aluminum kitchen utensils are delightful to work with; they are so light and retain the heat remarkably; they are easily cleaned, and if the hard water stains them, a little sapolio and elbow grease readily removes it. This fry pan has been used for some time and nothing has been burned, although everything has browned well. There are some wares that burn if you look away from them. It is a difficult matter to burn anything in aluminum, and then, too, aluminum is absolutely pure. One is in no danger of verdigris or salts of tin in using it. It is much preferable to granite or agate ware, as there is no enamel to chip off. It does not rust. Fruit acids, such as vinegar, etc., have no effect on it; hence it is especially desirable for preserving. Pies may stand on aluminum pie plates without 'tasting of the tin.' Tea and coffee do not turn the inside of the pot black. I have a beautiful aluminum coffee pot in which I prepare the coffee on the stove and take it right to the table where it is almost as beautiful as silver. Coffee should be served in the pot it is cooked in;—but if I talk much on the subject of aluminum I will get too enthusiastic."

New York is to have an Electrical Exposition during the first week in May.

The New York Central a Record Breaker.

While President Cleveland is making it pleasant for England over the Monroe doctrine, the New York Central Railroad company is promulgating a new doctrine, that is smashing the records not only of England, but of the world. That famous Empire State Express has once more reduced the record, having on December 4th wiped out all previous records, by making the run between Buffalo and New York City on the schedule time of 53⅓ miles an hour, and arriving at the Grand Central station in Buffalo five minutes ahead of time. The trip was made under favorable conditions as far as Batavia, where the train encountered a snow storm. Fearing that this might delay her again, the engineer let out a few more notches of the throttle. He had eighteen minutes in which to make the ten and sixty-seven one-hundredth miles between Grimesville and Buffalo, and he made it in thirteen minutes, arriving in Buffalo at 4:40 o'clock, five minutes ahead of time. Reports of the engineers indicate that they experienced no difficulty in holding the train to the 53⅓ miles an hour average. The fastest time, the eighty-one miles between Syracuse and Rochester, was made in eighty minutes, or over a mile a minute.

The Empire State Express now holds the world's record as the fastest regular passenger train. The speed of the best trains of foreign nations is: England, 51.75 miles per hour; Germany, 51.25; France, 49.88; Belgium, 45.04; Holland, 44.73; Italy, 42.34; Austria-Hungary, 41.75. America now heads the list with 53.33 miles per hour to the credit of the Empire State Express.

For more than four years this train has made its daily run of 440 miles in 520 minutes, which is at the rate of 51 miles an hour, including four stops and twenty-eight slowdowns. Its new time of 495 minutes is not that of an experimental run, but is scheduled for daily service between New York and Buffalo until a further reduction becomes practicable.

What can be said of the character and condition of a road upon which this stupendous feat of modern rapid transit is possible? And the beauty of it is that the safeguards are such, and railroading is so reduced to a science upon this line, that this high rate of speed is made with the same degree of safety as the slower trains. The route lies through one of the most attractive sections of America, the service is equal to that of a first-class hotel, and the trip between New York and the West is entirely robbed of the terrors of old-time, or even recent travel. The New York Central has broken several records, beside that of swiftly-running trains.

The Bissell Co. Triumphant.

The final decision in the long legal contest between the Bissell Carpet Sweeper Co. and the Goshen Carpet Sweeper Co. has been announced in the United States Circuit Court of Appeals, at Cincinnati. The decree was in favor of the Bissell Co., affirming the decision of Judge Brown and also the decision of Judge Severens. By this decision the Goshen Co. is restrained from equipping carpet sweepers with the Bissell patent or device by which the brush of the sweeper can be pressed to the floor, making a broom motion. It also orders an accounting by which the Goshen Sweeper Co. are compelled to pay to the Bissell Co. all damages received during the period of infringement—now almost four years.

The catalogue and price list of the Henry Seymour Cutlery Co., for whom Wiebusch & Hilger, Nos. 84 and 86 Chambers Street, New York, are agents, has come to hand. It fully describes and illustrates the large line of shears, scissors and sheep shears manufactured by the company.

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The William H. Williams Memorial.

The memorial resolutions adopted by the New York Hardware Club in memory of William H. Williams, its late president, have been embodied in a handsome volume that is artistic in the highest degree.

In the volume are seven pages of richly illuminated design, each illustrating the traditions and development of Gothic decorative art from the twelfth to the fifteenth centuries; the "golden age" of Gothic illumination and architecture.

The opening preamble is surrounded by a graceful design of the Gothic renaissance, consisting of floral traceries in acanthus foliage tinted in purples, greys and sepias, shaded with deeper tonings of the local tints on black groundings, which are chased with burnished silver filigree.

The seal of the Hardware Club and a medallion of Tubal Cain, the patron of all artifice in the metals, appropriately embellish the design. A neat border of pearls, symbol of tears and worth, encircles the drawing between burnished silver rods. The succeeding page is devoted to a striking miniature of Mr. Williams, painted on vellum. It is set en-passe-par-tout in a bed of forget-me-not flowering, whose meaning is unmistakable. Sprays of oak in fruit, type of strength, and of ivy, signifying remembrance, entwine gracefully on rustic traceries, the whole appearing on a pearl-gray grounding placed inside a richly burnished filigree band of silver. A pediment at base of the drawing contains those ancient symbols of palms, laurels and love-knots supporting an inverted torch.

Immediately following, the text of the memorial appears, introduced by one of those wonderful initial letters modeled on the work of Genolio Clovio, the contemporary of the famed Flemish illuminator, Memling. Its foliate richness is further enriched by a diapered silver grounding, whose markings agreeably blend with the geometric precision lining the initial. The name, William Hilton Williams, displayed in Gothic texting on a buff band is also embellished with rich initials.

The succeeding design is exceedingly delicate and chaste of design, and shows the perfection of the florid fourteenth century style. The acanthus is the theme and the keynote violet, with its complementaries of terre-de-verte madders and buffs placed on backgrounds of handsomely chased silver. The passion-flower, convenitonally treated, illustrates with what acute sensibility to beautiful composition the mediaeval artist wedded truth to beauty and conserved both to decoration.

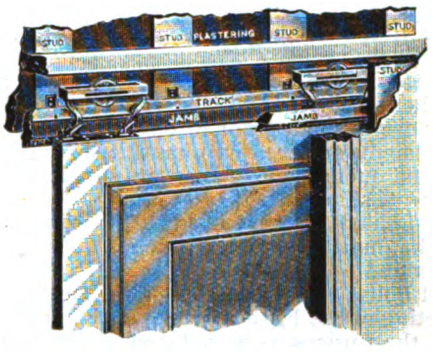
Turning from this tender color-scheme we meet in succession one of a more severe and possibly less ornate character, and very properly so, for this is the oak in fruit intermingling with acanthus sprays, and both typify vigor and strength, and here the ornamental motive seems inspired by the text, which pays tribute to the warmth of friendly attachment and whole souledness, characterizing the lately deceased president. Sepia here dominates, blended with and contrasted by answering tones of neutral reds, greens, purples and buffs. A vignette on a gray tinting, emblematic of friendship, occupies centre base, and the text is introduced by a beautiful initial fac-similed from the celebrated Psalter of Nuremburg, whose artist is, unfortunately, not known, but whose work the author of this volume has carefully and truthfully perpetuated. The original is in the British museum. The style of this design is the twelfth century, while the succeeding page is rich and exceedingly graceful in the periods existing at the close of the fifteenth century. In its solidity of foliage it preserves the tradition of the German school, while its tonal treatment is distinctly Romanesque, a combination of styles which added unequalled dignity to illumination at this acme of perfection in color and design. A pretty grouping of immortelles and ivy sprays speaks eloquently of everlasting remembrance.

The seventh page is graceful in arabesque conventionalisms of natural forms, the peculiarity of the styles dominating the Teutonic and Latin schools of the thirteenth and early fourteenth century periods. The design is quite ornate yet extremely delicate in treatment. The volume is brought to a fitting close by the signatures of the Board of Governors of the Hardware Club.

The wording of the memorial, engrossed in the Albrecht Durer black letter, and the illuminated design, are worked out in water colors on pearl gray tablets matted with passe-par-tout of similar tone, mounted, guarded and bound in full black seal, interlined and gilded edges. It is the work of John G. Lee, a young American artist of this city, and is one of the first perfected specimens of the entire era of mediaeval illumination ever produced in America.

Stearns' Parlor Door Hanger.

We are permitted to illustrate in this connection a single track Parlor Door Hanger, being successfully placed upon the market by E. C. Stearns & Co., Syracuse, N. Y. They call special attention to the point that the Hanger is single track and of the anti-friction type; the single track being hung to one line of studding, so that the Hangers can be put up complete in a very small space of time. They add that in designing their Hanger they have striven for absolute simplicity, both in the construction of the Hanger and rail, and in the method of putting up. "The wheels run on



a single steel track; the track be ng secured to one partition instead of two as in the case of the common double wood tracks, is therefore not subject to derangement from unequal settling of the said partitions. The center of the wheels of this Hanger are made of vulcanized fibre, the edge of which forms a rolling surface. This fibre centre forms a solid disc extending to the axle and is firmly held between plates by means of rivets passing through both plates as well as through the fibre. The axle is made of steel and the bearings are turned perfectly true, making it practically noiseless. Each Hanger may be adjusted independent of the other by the use of a screw driver and without the derangement of any part. The principal parts of the Hanger are made of the best quality of steel. The base plates are attached to the top of the door without cutting or mortising. The adjusting screws are 2½x5-16 inches, specially made, and possess great strength. They are placed at the upper corner of the doors where they can be most conveniently adjusted. The threaded hole in the Hanger is countersunk so as to insure an easy entrance of the adjusting screw." Details as to prices, etc., can be had on application.

The Alexander Smith & Sons Carpet Co., of Yonkers, N. Y., have placed the contract for their new dye house building with the Berlin Iron Bridge Co., East Berlin, Conn. The building is 60 feet wide and 172 feet long, the steel roof trusses being arranged to carry cars on the lower chord for moving material about the building.

Florida supplies first-class cedar in the manufacture of lead pencils, and large quantities are yearly exported to European counties.

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Review of the Markets.

Trade at this period of the year is generally expected to be dull, except in the lines which the holiday season calls for, such as Skates, Sleds, etc. Dealers in general are preparing to take stock, and instruct their salesmen for the coming season—this acts to some extent as a drag on business. Business for the year shows an improvement over 1894, which is considered the worst year of the depression. After a panic, business improves gradually, and conservative thinkers do not expect the market to reach its normal condition before 1897. The year's trade in structural iron in the East has been one of unusual activity, but in the West trade in this line has not improved greatly. The prime cause of this condition of affairs is the low price of Wheat and Corn. Farmers, rather than sell at the low prices ruling, are feeding and cribbing their Corn and holding their Wheat as long as possible, the result being that they have not been able to pay their bills, and the railroads have been kept out of the big business that would be caused by the moving of these vast crops. The dispute with England over the Venezuela boundary has affected business unduly, and business men in general condemn President Cleveland's message as untimely and uncalled for. If trouble of this kind is avoided, the prospects for trade revival in 1896 are most flattering. Manufacturers are firm in their intention to maintain prices.

The Russell & Erwin Mfg. Co., New York and New Britain, make the following announcement under date of December 20th: "Until changed by us, our discounts and terms for Wood Screws will be as follows, from our revised list prices of January 1, 1891:

Flat Head Iron	85%
Round Head Iron	75%
Flat Head Brass	85%
Round Head Brass	75%
Flat Head Bronze Metal	80%
Round Head Bronze Metal	75%

"Flat Head Iron Screws, Blued, 5 per cent. advance on net. We hereby withdraw and cancel all discounts and terms on Screws made prior to date of this circular. Unusual assortments or excessive quantities of single sizes subject to special quotations. All orders subject to our ruling rates at date of shipment."

Skates: Dealers in these goods have been pushed to fill orders. The mild weather, however, has checked the near-by demand.

Nuts and Bolts: On December 18th the manufacturers held a meeting at the Fifth Avenue Hotel, New York, with the result that prices were reduced about five per cent. This action was deemed advisable owing to the recent slide in iron. Another meeting will be held in January and prices may change again, but whether the move will be up or down cannot be stated with safety. Business from now on till February or March is not expected to be very brisk.

At a meeting of the Chisel and Drawing Knife Manufacturers, held in this city on December 12th, the price on socket firmer, socket framing, corner chisels, slicks and drawing knives was fixed at 75–10–10 per cent. The following manufacturers were present and signed the agreement as to price. The Peck, Stow & Wilcox Co.: Messrs. G. I. Mix & Co., Winsted Edge Tool Co., Ohio Tool Co., Mr. James Swan, the Sag Harbor Tool Co. and the Jennings & Griffin Mfg. Co.

Linseed Oil: New York quotations remain unchanged, and are as follows: Raw, 42 cents per gallon; boiled, 45 cents per gallon, and Calcutta raw, 48 cents per gallon.

White Lead, Red Lead and Litharge: The quotations made by the National Lead Co. are as follows: In lots of less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents; Red Lead and Litharge in barrels and half-barrels, ¼ cent per pound less than price in kegs.

Putty: Quotations are as follows: $1.40@$2.25 as to brand, quantity and style of packing.

Wire Nails: Trade just at present is dull, but if anything, is better than in November. Business for the year shows an increase over 1894, and if trouble with England over the Venezuela boundary is settled amicably, as all earnestly hope, the prospects for the coming season are indeed bright. There are no changes in prices to report, and manufacturers say that those ruling will be maintained. We quote: Carload lots, $2.25, base, per keg, f. o. b., Pittsburg; less than carload lots, $2.35, base, Pittsburg. Carload lots on dock, New York, $2.43; small lots from store, $2.53.

Cut Nails: The condition of the market is similar to that of Wire Nails. Pittsburg prices are $2 per keg, base, f. o. b. New York quotations are: Carload lots on dock, $2.18; small lots on dock, $2.28, and small lots out of store, $2.30.

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "The trading stocks of Colorado mining exchanges have many of them advanced 300 per cent. to 500 per cent. during the past year. Lake iron ore shipments for 1895 are estimated over 10,270,000 tons, breaking records. Eight Southern states have 92,059,906 unemployed or unimproved acres of land waiting for occupation. Argentine has an area of 1,180,000 square miles and population of only 5,000,000 people, 240,000,000 acres being adapted to cereals, 10,000,000 acres to vineyards, 4,000,000 acres to sugar cane and other sub-tropical products. They have 25,000,000 cattle, 6,000,000 horses, 100,000,000 sheep and 3,500,000 goats. European and North American agricultural and manufacturing people can find as much room south of the Equator as there was west of the Mississippi in 1840. Any great disturbance in foreign countries might transfer many men and much wealth to North American soil."

THE PITTSBURG TRADE.

Trade has been in moderate volume the first half of the month, skates in especial demand, and cutlery in very fair demand. We are getting ready for stock-taking, which by modern methods is now accomplished within as many days as it formerly occupied weeks. Prices in the iron and steel market are not holding up well, so that we can hardly look for much change in general Hardware until these raw materials take a stronger position. We, however, expect an average good year in 1896. LOGAN, GREGG & CO.

THE CHARLESTON TRADE.

We have the same gratifying report to make about business, and the close of the year finds us far in advance of others that we can recall that were deemed fully average ones.

Prices by us have been maintained and few concessions made. We have had no urgent demands for reductions, save in a few of the leading and staple iron products, and those could be made without entailing loss, though it shaded a hoped-for profit.

From reports received from our travellers, who are dropping in daily for the Christmas holidays, the outlook for spring business is remarkably good, and we anticipate a very active season.

The crops have all been harvested, and the result of the year's business known by the farming community. That it has been satisfactory is evidenced by payment of current expenses and in many sections balances of the last and previous years.

We are already in receipt of enquiries for the largest improved agricultural implements, and the desire of all seems to have the best that the market offers and their means permit them to get. With abundance of provisions, the prospect of a largely increased cotton area was almost a certainty and may still be the rule rather than the exception.

Dependent as is the Southern producer upon a foreign market, the faintest probability of a war with any foreign power fills him with dismay and makes his future one of gloom and not entirely unfounded dread.

He realizes that what he has to buy will in no way be cheapened, but will, in all probability, be enhanced in value; what he has to sell, for want of foreign competition, be subject entirely to the value placed by a home market, and as his past experience shows lower prices will prevail.

That the American people were startled from their dream of peace and continued prosperity by the President's message is too apparent a fact to be questioned, and although only a few days have passed since its issuance, its effects are already felt and disastrous results the consequence. Values that were deemed extremely reasonable, if not low, have suddenly fallen and the calm surface of commercial confidence violently disturbed, and all indications of a coming financial storm apparent.

That wise counsel will be enlisted, and sober, thoughtful consideration of so momentous a subject will, we have no doubt, be the course of those in authority, and the dignity and honor of our country be maintained without sacrifice of its prosperity or a cloud upon its happiness.

Were it not for this temporary, we use the word hopefully, disturbing feature, we could resign ourselves to all the enjoyments of a well earned holiday, forgetting the unprofitable past, appreciating the prosperous present, and looking forward to a future that bids fair to be the brightest that the last decade has furnished, but as it is we cannot but feel anxious and await with doubtful resignation the final decision that will either continue us in the pursuit of health, happiness and wealth, or call for a sacrifice of self that our country has the right to receive and the instincts

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and education of its citizens feel alike a duty and a privilege to offer. MARSHALL, WESCOAT & CO.

THE MINNEAPOLIS TRADE.

Holiday trade about the same as usual, more useful goods being purchased as a rule rather than fancy articles of no particular value. General Hardware business for 1895 has been fairly satisfactory with Minneapolis dealers; perhaps all that could be expected. We hope for better returns for 1896, and believe that our expectations in this direction will be realized. Prices fairly well maintained, but some cutting done on staple goods. The weather has been delightful; no snow, and not cold for Minnesota. As a consequence building operations have gone right along, considerable out-door work being finished up, that otherwise might have been left over until spring. All will be busy soon taking inventory, then comes a month or so of mid-winter dullness before spring trade opens up. With the compliments of the season, W. K. MORISON & CO.

THE PHILADELPHIA TRADE.

The end of the year finds every jobber in the usual turmoil of taking and pricing stock, overhauling samples, preparing salesmen for the new year, and winding up the business of 1895. Of course this represents an enormous amount of work, but it is hoped it will reveal some profit as a result. In the meantime holiday orders are coming in with considerable frequency, and Skates, Sleds, Cutlery and Plated Goods, etc., are in great demand. The call for Skates has been unprecedented. Not only are the jobbers' stocks exhausted, but factories write that they are simply overwhelmed with orders and with correspondence relating to orders, and that it will be impossible for them to catch up or even ship an assortment, as they have none on hand and cannot make them with sufficient rapidity.

The cold spell of last week contributed to this result. For over two weeks the demand has been so steady that dealers who have deferred laying in an early stock will find it to their disadvantage. This is very far, however, from being a calamity, and next March, when dealers find their shelves bare of Skates, they will be more inclined to place orders for Hoes, Forks, Rakes, Wire Netting, Window Screens and all manner of spring goods. Seasonable weather always benefits trade, and we are all glad when we have a white Christmas.

Prices are in a waiting mood and manufacturers and dealers alike are at sea in reference to the future. Many manufacturers and dealers had stocks of raw material and of goods which would carry them until the end of the year, but the 31st of December will probably find them bare of both, and the question arises: Will this new demand be so heavy as to cause further advances in prices, or is the production of raw material so great that prices cannot go any higher?

It must be remembered that the great mass of Hardware has not advanced in price, and that most of the heavy advances have been limited to heavy and bulky goods, so there seems to be ample room for further advances. There is a strong probability that the new year's demand will cause a stiffening up in many lines.

Railroads as yet have not commenced to buy, except in the most cautious way, and if these large buyers enter the market the situation will undoubtedly be stronger. Wishing all our readers and the editors of HARDWARE as well a Merry Christmas and a happy and prosperous New Year, we are, BIDDLE HARDWARE CO.

THE CLEVELAND TRADE.

We are now approaching the time of holiday dullness, and are looking forward to the pleasures of inventory work, to determine how the last year has treated us. It is well that all business men have a breathing spell at this time, to look back over the occurrences of the past year, so that they may remedy, if they exist, and strengthen weak places; in fact, we believe it is a wise thing for all men to take time at least once a month for just such an occupation, as it would probably result in evils being corrected sooner than would be the case if they postponed it for an entire year.

Looking backwards, then, we contemplate a season of varied conditions. Quite early in the year everything was depressed, and it looked as though nothing good was going to come out of the year's work, but a little later everything picked up, and we had what might be called a boom. This has about spent its course, and we are now again on the down grade. The question that is agitating the minds of everybody in looking towards the future, is how long this down grade will continue and what are to be the results for 1896? We cannot aspire to the ability of prophets, but we believe that in 1896 we shall see a very much better business than has ruled in 1895. Values are becoming settled to about where they should be, and we can see no reason why the consumptive demand should not be sufficient to provide for at least a very large share of the production of our manufacturers. We, therefore, feel very much encouraged in looking forward to 1896 as a season of quiet prosperity. We do not feel disturbed by the war cloud that has been hovering over us, as we believe that no actual encounter will come out of it.

In the Hardware trade in these days the Bicycle is cutting a very large figure, and indications from trade already found is to the effect that in 1896 it will be larger than ever before. Many new factories have sprung into existence, and many of them will have to learn lessons that have already been learned by the older ones, that the experimental stage is a very costly one. Prices are reaching a level where there is not very much money left for experimenting, and we fear that some of these new concerns may not have as rosy a career as they now picture.

Wishing yourselves and your readers a Merry Christmas and a Happy New Year, we remain,

THE MCINTOSH-HUNTINGTON CO.

THE BOSTON TRADE.

This is the time of year when there is naturally a falling off in the volume of business. The season closes, however, with a satisfactory amount of trade, the demand during the past few weeks having been a decided improvement over the preceding weeks in November. The weather conditions have been favorable for seasonable goods, and stocks of skates, sleds, axes, etc., have vanished to that extent that jobbers have no cause to regret that their purchases in these lines have been larger than last year.

It is a most unfortunate occurrence that at this time when business was just beginning to recover from the depression of the past two years, we should be confronted with so serious a question as has been brought before us in our National affairs.

The war of words which has been raging for the past few days, and which in all probability is the only war we shall encounter, will, if encouraged, have a serious effect upon the business interests, not only of Boston, but of the whole country; and at the present rate it will take but a short time to launch upon us a panic for which there seems to be no possible excuse.

Already the Stock Exchange, which is the pulse of the whole business community, has felt the effect of this wholesale sensationalism, and it is hoped by every cool-headed man in the business world that there will be an immediate cessation of this thoughtless jingoism which just now characterizes three-fourths of the press throughout our country. FRYE, PHIPPS & CO.

THE ROCHESTER TRADE.

We have nothing new to report for this issue. Holiday trade is on, and seasonable goods are in good demand. Wholesale trade in staples for '96 are buying very carefully and seem to be afraid of the market. Think the year will close up with better results than for '95.

WEAVER, PALMER & RICHMOND.

THE DAVENPORT TRADE.

This has been an eventful year in the Hardware trade—at times full of bright hopes, followed by dismal disappointments. On the whole the results have been about an average of recent years. The barb fence fight is still on, and it looks now as if it would be fought to a finish. May the fittest survive! The much needed rain has at last arrived, but it happens to prolong its visit alarmingly close to Christmas, and, while we are thankful for its appearance, it may result in serious loss to the holiday trade. Robert Sickels, of Sickels, Sweet & Lyon, New York, and our worthy president, has been with us for a few days. General trade is dull and collections continue slow. SICKELS, PRESTON & NUTTING CO.

THE COLUMBUS TRADE.

You ask for our opinion on the business for the year 1895, also as to what we think of the outlook for 1896. Trade during this year has been satisfactory in most lines, and still we cannot say that our expectations have been fully realized. As far as volume of business is concerned, it is, in our case, considerably more than 1894. Profits will also average better, and if our daily record is a safe indicator (and we think it is) our balance sheet will look very much better than it has for the three years previous. It would have been still better had we been able to get manufactur-

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ers' prices for goods, but some jobbers are so clever that they don't put the advance on promptly, and then perhaps not the full advance. These same parties are sometimes just as slow to reduce their prices, when a decline is made by manufacturers. There is only one *right way* to sell goods, and that is to sell them at all times at the market price. Manufacturers are the ones to make prices, as they know what it costs to produce the articles; and when they make an advance, jobbers and retailers should adopt it promptly and maintain it. And when a decline is made, we should be just as prompt to adopt the reduced price. We are compelled to meet the reduced price very soon even if it hurts, and the only salve we can get to heal the wound is the occasional advance. If we fail to avail ourselves of the benefit of these advances, the wound will get to be a running sore, and the patient is liable to get weak in the knees or pocketbook.

Collections are not good, and we cannot see anything encouraging in the near future. In fact, not before another crop is harvested and on the market. If it is a good one things will be much improved; if a failure, then we will have serious trouble. Farmers are in short rows, no hay or wheat to sell, and corn at a very low price. Horses any prices from thirty cents up to what they can get. We know of an instance where a fairly good twelve-year-old horse was sold at public sale for thirty cents. Hogs and sheep are both low in price. With all these drawbacks, the farmer is not paying his debts, and dealers who depend on their trade from the agricultural districts are not able to meet their obligations. The trouble in some of the mining districts seems to hang on the year around. As soon as one trouble is settled another one breaks out. There surely is some just basis on which these troubles could be adjusted, and it should be discovered in the interest of the operator, miner and the general public.

As for 1896, we think the outlook is not any too bright. It is bound to be dull in the agricultural districts for the next six months, unless merchants want to extend credit beyond what they should. This is what gets so many in trouble. The farmer gets an idea that his dealer can wait until he shears his hogs and husks his pumpkins, and the retail dealer says to the jobber: "I can't collect from the farmer and you must wait." Some retail dealers think a jobber can get unlimited time from the manufacturer, but there is where they are mistaken. Manufacturers want and expect their money when a bill is due.

We regret to see that some goods are dropping back in the old rut of low prices. Screw and Strap Hinges and Rope are getting back to low water mark, while Tacks, Wire Cloth and Screen Doors are commanding chromos. We hope prices will not be reduced to a point that will force manufacturers to shut down or reduce wages. Good wages and fair prices for goods always make good trade; low prices and low wages are sure signs of poor trade. A number of large buildings are projected for 1896 in our city.

THE SMITH BROS. HARDWARE CO.

THE TOLEDO TRADE.

Trade this month has been fair. Viewing the trade for the whole year, we can say it has been quite satisfactory. The only drawback there is at present is the weakening tendency of the markets in general. We presume it is only one of the evils of "either having a feast or famine." The extreme open weather that prevailed in this section for the last two weeks has done a great deal to retard business, making the country roads almost impassible, and thereby preventing the farming community marketing goods that they have to offer, neither are they able to haul logs to the mills.

Market at present time is very much demoralized, especially in Wire Cloth, Plain and Barbed Wire, Tacks and a number of other staple articles, showing that the capacity for the manufacturers to manufacture is far greater than consumption of manufactured articles, which inclines us to believe that we need not expect to see any high prices for the coming spring.

As we are very busy at present time in taking our stock we will not enter into this subject any further. Wishing you the compliments of the season and a prosperous year, we remain,

STOLLBERG & CLAPP CO.

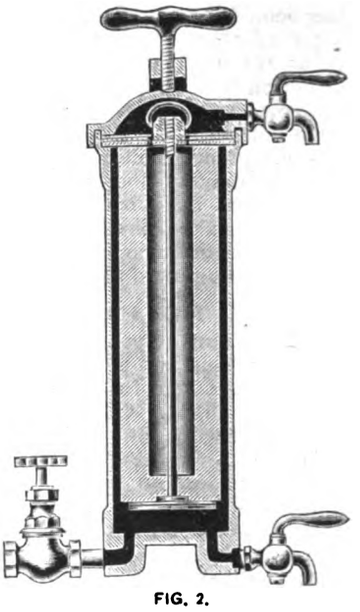
Good stationery is a paying investment. A handsome and substantial looking letter-head and envelope carry a lot of weight with them, and sloppy, cheap stationery carries a strong inference that the man who uses it is cheap and unreliable. Stinginess in stationery is almost as poor policy as stinginess in advertising, and that's saying a good deal. —*Michigan Tradesman.*

The Champion Filter.

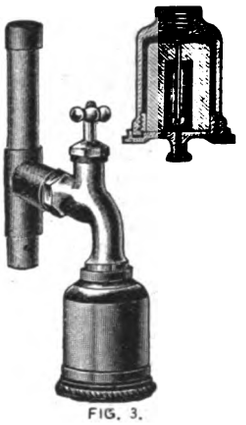
The Champion Safety Lock Co., of Cleveland, O., are placing the Filter shown in the accompanying illustration (Fig. 1) on the market. "A peculiar property of the filtering tube is that it excludes all filth and disease germs,



FIG. 1.


FIG. 2.

allowing them to go no further than the surface from which they can be quickly removed by brushing. This also removes an imperceptible amount of the surface of the tube, thus keeping the pores open and the surface fresh for filtration, producing pure and sparkling water. The Filter is very simple in construction. By unscrewing the screw at the top of the Filter all parts are made accessible, as the one screw secures all joints. After removing the cap to which the upper faucet is attached, the stone can be taken out for cleansing. The stone is fastened to the upper plate by a rod which passes through it giving it strength and stability. The stone is 9x2½ inches, giving the Filter a very large capacity." This company also manufacture a Faucet Filter, as illustrated in Fig. 3, which is meeting with ready sale and giving universal satisfaction. The filtering medium is natural stone, producing water which is chemically pure. Prices will be furnished on application. They want an energetic dealer in every town to handle these filters.


FIG. 3.

"War Paint."

It is well worth one's time to look at the Christmas number of *War Paint*, the weekly spokesman published by the Syracuse Cycle Co., Syracuse, N. Y. The design of the cover is exquisite and the coloring vivid. An Indian in colored head-dress is represented painting the rim of a blonde German's bicycle a gorgeous crimson. The back cover shows the scalps taken by the Syracuse riders. This little publication abounds in brilliant ideas, and the company promise that the circulation will reach 50,000 copies.

There are plenty of bright men who never get on in this world simply because they cannot be content to stick to one thing. You may have all the brains of Solomon, but without concentration you are worse off than the plodder. Remember Chauncey M. Depew's remark, "Stick, dig and save," and don't postpone the digging until to-morrow; commence to-day. Every moment counts; time goes on whether you advance with it or not.

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MORGAN & WRIGHT TIRES ARE GOOD TIRES

MORGAN & WRIGHT TIRES ARE GOOD TIRES

AN UNIQUE JOURNEY.

A ROSE'S fragrance; the sweet melody of a daintily fingered piano; the sight of delicate festoons of smilax, and the usual interior luxuries of a private railway car—by such seductive means the firm which manufactures the largest number of pneumatic tires used in the United States is endeavoring to diminish the "trade" flavor of an expedition which started at Chicago November 18th, and which ends in the same city the day before Christmas.

It is said that the art of advertising is still in its infancy. This latest demonstration of the art is certainly a novel and delightful advance. It is doing excellent business service while pleasing the artistic senses of those whom it is desired to interest.

The expedition in question is composed of a force of experienced travelers in the employ of Morgan & Wright, of Chicago, and its purpose is to acquaint the bicycle riders and dealers in about fifty of the principal cities with the Morgan & Wright quick-repair tire. The Wagner car "Wanderer" carries the party, which will arrive in Terre Haute to-morrow morning. The party is thoroughly organized, having a captain, first lieutenant, financial secretary and complete office force of stenographers and typewriter operators. Upon arrival the members will scatter through the city, visiting the local dealers. As the car progresses from city to city, engraved invitations are forwarded in advance to local clubs and dealers, from the home office, requesting the recipients to attend an informal reception on board the car in the evening.

Before the Morgan & Wright corps has finished the six o'clock dinner provided by three stewards, the visitors begin to arrive with their ladies. To each lady is given a red, red rose, and in the smoking room gentlemen are invited to try a peculiarly seductive cigar. Meantime an accomplished pianist pleases the ear. In the course of the evening, but in a very unostentatious manner, the merits of the quick-repair tire may be shown. The visitors are sent away with pleasant impressions in their minds, and the car proceeds during the night to the next city.

A 6000-mile journey was scheduled for the car, which has been as far east as Boston and south along the Atlantic coast to Washington. Turning west via Pittsburg, Louisville and intervening places, its route includes St. Louis, Kansas City and cities northward as far as Duluth; thence home to Chicago via Milwaukee.

The Morgan & Wright quick-repair tire is itself a novel departure, it appears. Its makers have an acknowledged reputation for being conservative (the saying, "Morgan & Wright tires are good tires," is a common one), and when they say that a puncture in this tire can be readily mended at the roadside within two minutes without hurry or worry, the statement deserves credence. Newspaper men and cyclists generally have been extended a cordial invitation to visit the car "Wanderer" to inspect the new device.—*Terre Haute Evening Times.*

MORGAN & WRIGHT TIRES ARE GOOD TIRES

MORGAN & WRIGHT TIRES ARE GOOD TIRES

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Missouri Valley Hardware Jobbers.

The Missouri Valley Hardware Jobbers Association recently held a meeting a Millard, Neb. Among those present from other points were: A. J. Harris, Atchison; J. A. Warner, St. Joseph; George B. Richards, H. M. Evans and J. S. Hetherington, Kansas City. Omaha parties who took dinner with the visitors at the Millard were: W. M. Glass, E. M. Andreson, C. H. Carter, E. P. Berryman, J. C. Coit and A. T. Rector.

The meeting was to discuss mutual business interests. J. F. Richards of Kansas City was elected president and W. S. Wright of Omaha, secretary and treasurer.

Foster's Patent Door Springs.

W. W. Pryor Hardware Mfg. Co., successors to the business of M. Einwachter, Newark, N. J., are placing on the market the well-known and celebrated Foster Door Spring. This spring is constructed of tempered steel wires well japanned, and made in four sizes. The fastenings are strong and the adjustment very simple and effective. This spring can be applied to iron gates, owing to the method used in the end connections. A full line of these springs is constantly carried at the New York office, No. 81 Chambers Street.

Another Syracuse Record.

On December 16th, Messrs. Green and Erswell, of Syracuse fame, rode a mile straightaway unpaced flying start in the phenomenal time of 1.17 1-5. The performance took place at Cheyenne, Wyo., over the same track on which they recently made their marvelous records. They were mounted on a 36 pound Crimson Rim Syracuse Tandem, fitted with Palmer tires. This is claimed to be the fastest mile ever ridden on a bicycle.

The Smith & Egge Mfg. Co., Bridgeport, Conn., have for twenty years ranked high as manufacturers of sash chains, locks, general Hardware and metallic novelties. They are now placing on the market a line of self-setting Rat and Mouse Traps, known as the "Superior" and "Yankee" (see their advertisement on page 18), and they assure us that a large number of tests made by them prove conclusively that these traps are remarkably successful in catching vermin. The traps are well and strongly made, and thoroughly galvanized. The company state that it is their intention that the traps shall become as well and favorably known to the trade as are their "Giant" Sash Chain and "Giant" Padlocks. They will be handled by all the large wholesale trade and jobbers.

A cooking stove has recently been patented for use in duckboats. The heat is supplied from a single burner oil stove, and when ready for use it cannot be blown out by the wind nor injured by rain. The fixtures to the stove fold up into a space twelve inches long by two inches in height, taking up little or no space in the boat when not in use.

The Koeller & Schmitz Cutlery Co., No. 92 Reade Street, New York, will add Hardware specialties and sporting goods to their line for 1896 and invite manufacturers not yet represented in New York City to correspond.

An alloy of aluminum and bronze, called "Golden Steel," is attracting the attention of Sheffield cutlers. The new metal is said to be very handsome and durable.

The Lufkin Rule Co., Saginaw, Mich., are now occupying the addition to their factory, and report a larger business than ever for the close of the year.

THE BARNES WHITE FLYER

Is a Popular and Trustworthy Mount.

IT can boast of more novel features than any machine on wheels.

The Barnes Cycle Co.,

Write for Catalogue. Syracuse, N. Y.

SCHOVERLING, DALY & GALES

302 BROADWAY.

Gales' Cycles

Seamless Tubing, All Wrought Forgings, Columbia Pattern Crank Axles, Patent Adjustable Rear Forks.

$100.00 WHEEL FOR $75.00.

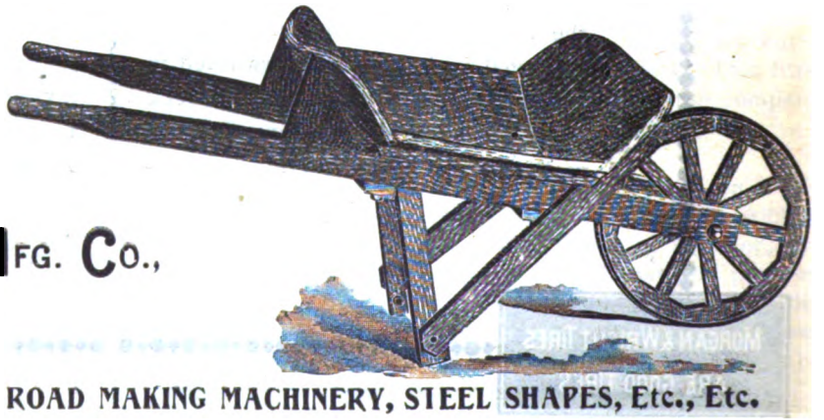
MANHATTAN CYCLES,

24, 26 and 28 Inches.

The best Cheap Wheels in the market.

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.



THE KILBOURNE & JACOBS MFG. CO.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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The well established reputation for excellence in manufacture, which has been earned by Iver Johnson's Arms & Cycle Works, is bearing fruit not only at home but abroad. The most recent foreign shipments noted are six machines shipped to the Hawaiian Islands; 12 machines, including some track racers, to Sydney and Melbourne, Australia, and a number of wheels in Russia. It is a very pleasant thing to note that representatives bicycle houses are rapidly gaining trade abroad. This should put to rest the ridiculous rumors which every now and again receive more or less attention, regarding importations of cheap cycles from some foreign part. For instance, the widespread reports that Japan is about to compete in the cycle market, with $12 bicycles,—a matter which should receive no attention whatever,—but which is seized upon by interested parties as a handle upon which to hang gloomy forebodings.

The National Saw Co. are sending their friends a handsome calendar for 1896. The scene represented is of a realistic nature, showing two sturdy lumbermen at work on a huge tree, with one of the company's justly celebrated cross-cut saws. At one side of the picture is shown a collection of the saws manufactured by the company, including circular, cross-cut and ice saws. The company operate the plant of the Wheeler, Madden & Clemson Mfg. Co., Woodrough & McParlin, Richardson Bros. and Harvey W. Peace Co. The general office of the company is at Newark, N. J.

HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

WATCH THIS SPACE

For our 1896 Wheels.

APOLLO,
CHALLENGE,
CYCLO AND
FAIRY.

Fire Arms, Sleds and Sporting Goods.

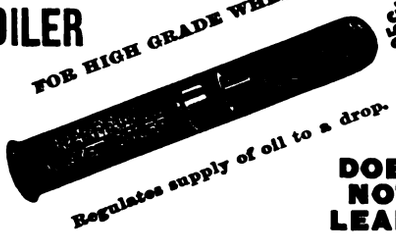
EDW. K. TRYON, JR., & CO.,
PHILADELPHIA.

AGENTS FOR

Morgan & Wright Tires. Union Hardware Co.'s Skates.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS

PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street. Bridgeport, Conn

The Kirk-Young Mfg. Co.

TOLEDO, OHIO.

Manufacturers of

High Grade Wheels

At Medium Price.

Especially Designed for the Hardware Trade.

Write for Territory and Prices NOW

M. S. BENEDICT MFG. Co.

SYRACUSE, N. Y.
Fayette and Franklin Sts.

CHICAGO, ILL.
78 State Street.

409 BROADWAY, NEW YORK.



WORKS, EAST SYRACUSE, N. Y.

Makers of a Full and Complete Line of

Quadruple Silver Plated Hollow Ware.

Silver Plated Spoons, Knives, Forks and Child's Sets.

ALSO

Steel and White Metal Spoons

For the Hardware Trade.

Complete stocks carried and goods shipped from any of the above addresses.
Write for our 96-page Illustrated Catalogue, with discount.

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TO ALL DEALERS IN VAPOR STOVES:

In the next issue of this paper we will give you a surprise, the equal of which you have never experienced since the introduction of the **New Process Stove.** We will say no more. WATCH THE NEXT ISSUE OF THIS PAPER FOR OUR ADVERTISEMENT.

The SCHNEIDER AND TRENKAMP COMPANY.

Cleveland, Ohio. Chicago, Illinois.

Gives Perfect Satisfaction

To both Buyer and Seller.

The Envoy AND Fleetwing.

We will exhibit at Chicago Cycle Show in space 178 and 179, at the New York Show in space 179, where we will be glad to meet our friends.

Manufactured by the

BUFFALO CYCLE CO.,

Buffalo, N. Y.

Get in Line for 1896 Agency.

APPLY AT ONCE.

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The Enterprise Mfg. Co., Akron, Ohio, state that the increased trade they have experienced in both Graphite and Snowflake Lubricant in the past three months, has obliged them to enlarge that department so that they are now placed in position to turn out a half million sticks per month, and are thus able to fill orders more promptly, viz.: six million per annum. They will send a catalogue and sample of the same to the trade for the asking.

Situation Wanted.

WANTED by a young man with nine years' experience in cutlery business a position of salesman on the road. Address A. A. S., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Offered.

WANTED—A bicycle or Hardware traveling salesman to handle A1 side line cycle sundries on commission. State references and territory. Box 235, Rochester, N. Y.

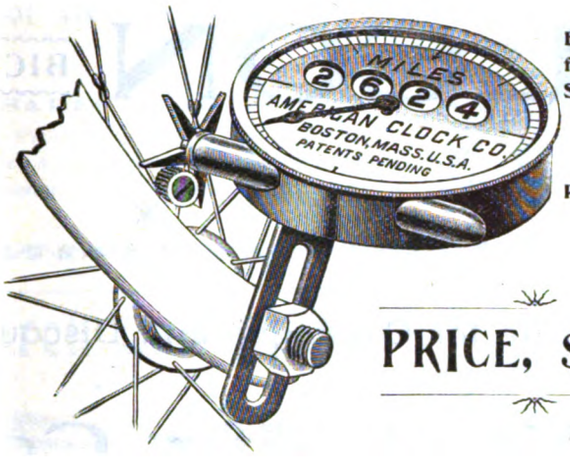
BICYCLE MANUFACTURERS who are putting Cyclometers on their wheels this season will make no mistake if they supply . .

THE AMERICAN.

TEN THOUSAND MILES AND REPEATS.

The Best Seller on the Market.

Insist on receiving our Registered Guarantee with every American.



Easily read from the Saddle.

Requires No Care.

PRICE, $2.00.

The American Cyclometer, Model B, is not a dinkey toy, too small to be of any use; it does not get out of order if you run it backwards like others that are being put on the market. A cyclometer, though built like a watch, if too small cannot be depended on. The AMERICAN tells you the small fraction of a mile; others do not. **The American leads; let those who can follow.**

Cuts now ready for 1896 Catalogue.

AMERICAN CLOCK CO. 14 and 15 Tremont Row, Boston, Mass.

SUNOL HERCULES AND STELLA BICYCLES

The Best for Use.
The Best to Sell.

All Sizes, All Prices.
$40.00 to $100.00

If you have this line, you need nothing more. Will you investigate?

The McIntosh-Huntington Co.,
Cleveland, Ohio.

THE

Emblem Cycles

1896 Leaders

ARE BUILT TO RIDE.

Barrel Hubs, Wood Rims, Spokes and Nipples, in any quantity. . . . . .

High Grade Wheels at a Medium Price.

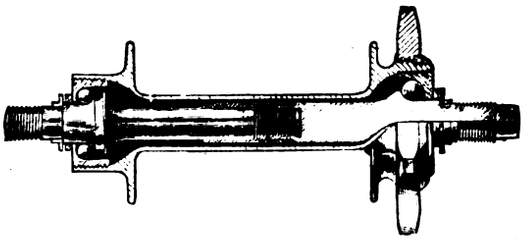
Apply NOW for Territory.

Send for Catalogue and Prices.

W. G. Schack,

641 875 Main St. • Buffalo, N. Y.

Truman Bicycles.



This is our Coneless Hub.

CAN YOU BEAT IT

FOR SIMPLICITY?

All our Wheels fitted with this Patent Hub.

Apply now for Territory.

Plenty of Material.

Deliveries Guaranteed.

ADDRESS,
(Cable or Mail,)

Truman,

Toledo, O.

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Your Business is Incomplete

If you have not added to it a line of high grade and reliable bicycles. True as this is, it is fully as true that nothing will so jeopardize your business and reputation as a line of unreliable wheels, whose only virtue may be cheapness. . . .

GOLD CRANK **FALCON** BICYCLES

Are well and favorably known from Maine to Texas. A **FALCON** agency contract is as good as greenbacks. . . .

Write for Catalogue and Discounts

The Yost Mfg. Co.,

Yost Station. **TOLEDO, OHIO.**

WE INVITE CORRESPONDENCE

with the Hardware Trade, regarding agencies for the

SHERMAN

A strictly high class, perfectly finished Wheel,
Listed at $75.00. . . . . . .

The Sherman Cycle Co.,

Space 148, Chicago Cycle Show.

133-139 So. Clinton St., Chicago.

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NIAGARA FALLS DID IT.

The first practical result of the great power plant at the Falls is a

Great Reduction in Aluminum.

ALUMINUM WARE

IS NOW BROUGHT WITHIN THE REACH OF PEOPLE OF MODERATE MEANS.

Write for Revised List and Discounts.

Get in orders early for the Holiday Trade.

SALES AGENTS:

CHARLES W. WELLS, No. 90 Canal St., Boston, Mass.
HENRY KEIDEL & CO., 25 Hanover St., Baltimore, Md.
JUAN H. ZAMORANO, Avenida Morelos 23, City of Mexico.

Sidney Shepard & Co., Buffalo.
C. Sidney Shepard & Co., Chicago.

The Monarch Can Openers



Are Heavily Nickel-Plated Blades.
Are Tempered Steel.

Works Right or Left Handed.

Cuts top off or out of any Size or Shaped Can.

Send for Sample and Prices or Quantity Wanted.

Monarch Mfg. Co., Meriden, Conn.

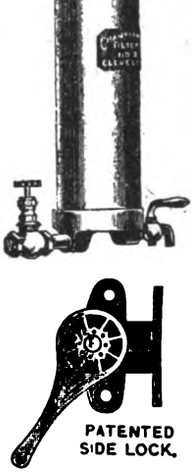
THE CHAMPIONS.



The Champion Stone Filters

will cleanse the water of all filth and disease germs, producing it sparkling and chemically pure. They are the simplest, fastest running and easiest cleaned filters on the market. We want an energetic dealer in every town to handle them.

WRITE FOR PRICES.

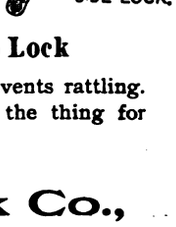




PATENTED.

The CHAMPION SASH LOCKS

Are Simple, Strong, Durable and Strictly First-Class in Quality of material and finish. . . . .



PATENTED SIDE LOCK.

The Champion Improved Meetingrail Lock

Adjusts the Sash. Draws the meetingrails tightly together and prevents rattling. Locks the window securely and locks itself automatically.

The Champion Side Lock

Locks the window securely. Prevents rattling. Acts as a weather strip. Is just the thing for window screens.

The Champion Safety Lock Co.,

Send for '96 Catalogue.

CLEVELAND, OHIO.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Augusta, Ga.—The Delph, No. 635 Broad Street.

Elkton, Mich.—D. E. Winer.

Florence, Ala.—Share & Patrick.

Gardner, Mass.—The Gardner Hardware Co.

Geneva, Ohio.—Miller Wilber.

Henderson, Ky. — Morris, Lockett & White.

Huntingdon, Pa.—B. F. Fink.

Meridian, Miss.—Milton & Cross.

New Hartford, Conn. — The Cannon Sleigh Shoe Co.

Superior, Wis.—Hibbing Hardware Co.

Texas City, Tex.—J. W. Short.

Record of Changes.

Allison, Iowa.—F. W. Vick & Co., Hardware, reported to have been succeeded by Vick & Kramer.

Ash Grove, Mo.—W. J. Hailey, Hardware, has gone out of business.

Atlanta, Ga.—R. S. Crutcher & Co., retail Hardware dealers, have been succeeded in business by R. S. Crutcher.

Atlanta, Tex.—Whattey & Spell, Hardware dealers, have dissolved partnership, and T. S. Spell will continue.

Barnard, Mo.—Casper Kaiser, Hardware, business has been purchased by Parish & Moore.

Brazil, Ind.—Brazil Furniture & Hardware Co., reported to have been succeeded by firm of same name.

Bryan, Tex.—Myers & Carr, Hardware dealers, have dissolved partnership, the junior partner continuing the business.

Burr Oak, Kan.—H. L. Horner, Hardware and implements, has sold half interest in business, and the firm is now Horner & Rass.

Caldwell, Ohio.—J. F. Rannels has sold his stock of Hardware to Eugene Smith.

Chillicothe, Ohio.—M. V. Briggs & Co., Hardware, business purchased by S. F. Secrest & Co., new implement firm, who will carry on the business, which will be largely increased.

Clifton Forge, Va. — Pendleton Bros., Hardware dealers, have dissolved partnership, and the business will be continued by W. W. Pendleton.

Clifton, Kan. — The Hardware firm of Buche & Haas have dissolved partnership. Mr. Buche will continue the business.

Clinton, Ark.—S. W. Simpson & Son, Hardware, etc., have been succeeded by C. E. Simpson.

Concord, N. C. — Smithdeal & Morris, Hardware dealers, have been succeeded by Morris & Co.

DeLeon, Tex.—Key & Ayres, Hardware and implements, have been succeeded by Key & Day.

Ennis, Tex.—Bird Bros., Hardware dealers, reported to have been succeeded by Z. T. Williams.

Eureka, Kan.—Geo. Harrison, Hardware, has removed to Elk City, Kan.

Frankfort, Ky. — George L. Hannen, Hardware dealer, has gone out of business.

Glenwood, Ind.— J. E. Ryburn, Hardware, reported to have gone out of business.

Gothenburg, Neb.—A. J. Carlson, Hardware, business purchased by Rolf Johnson.

Groton, N. Y.—John Jones has sold his interest in his Hardware store to Lavern Buck.

Hitchcock, Tenn.—R. Heilwig has succeeded Schneider & Heilwig in the Hardware business.

Hutchinson, Minn.—W. W. Sivright has sold half interest in his Hardware business to J. F. Beytime.

Kansas City, Kan. — M. F. Foster has sold his stock of Hardware.

Kelsey, Ky.— J. T. Woolf, reported to have sold out his Hardware business.

Kirkland, Ark.— Hotten & Wells, Hardware and stoves, have dissolved partnership, and J. A. Wells continues the business.

LaBell, Mo. — Skirvin Bros. have succeeded to the Hardware business of Thompson & Skirven.

Lampasas, Tex. — Barnes & Manuel, Hardware and implements, have dissolved partnership. W. F. Barnes retires, and John N. Manuel will continue the business.

Lenoir, N. C.— Bernhardt & Co. have changed their style to the Bernhardt Hardware & Furniture Co.

Letts Corners, Ind.—The stock of Hardware of G. W. Moore has been purchased by Harry Boyd.

Long Island, Kan.—J. D. McChesney has sold his interest in the Hardware firm of J. D. McChesney & Co.

Minerva, Tex.—Harben & Price have succeeded T. J. Taylor in the Hardware business.

Montrose, Mo.—O. F. Johnson has been succeeded in the Hardware business by Segaser & Hart.

Ocala, Fla.—E. W. Agnew & Co., Hardware, have been succeeded by E. B. Mafters, who will continue the business.

Olathe, Kan.—Keefer Bros., Hardware firm, have been succeeded by Willis Keefer.

Ottawa, Ill.—The J. E. Porter Co. has gone out of the retail Hardware business, having solid its stock to David Reflor and J. M. Poundstone, the concern to be known as the Poundstone-Reflor Co.

Painted Post, N. Y.—W. F. Bronson has sold his Hardware and store trade to James C. Orr and Walter A. Smith. The firm name will be Orr & Smith.

Palmyra, Neb.—Dwight Wait, Hardware, etc., reported to have been succeeded by Thomas Bell.

Plattsmouth, Neb.— W. W. Coates has purchased the Hardware business of Claus Bukenfeld.

Shannon Ill.—Fleisher & Bolinger, Hardware merchants, have sold their business to Joseph Cheeseman and Thomas Roche.

St. Joseph, Mo.—Wehrman & Schweder, Hardware and tinners, reported to have been succeeded by William Wehrman.

Tyboro, N. C.—The Pender-Hyman Hardware Co., has been succeeded by J. R. Pender.

Yazoo City, Miss.— The Crane-Herman Hardware Co., with E. P. Crane, president, and F. H. Hamel, treasurer, have succeeded Crane Bros. & Co. The capital stock of the new company is $50,000.

Waverly, Mo.— John H. Leach, Hardware, sold out business to Leach & Strong.

Webb City, Mo.—Hendrickson & Magruder, Hardware, are closing out business, with the intention of retiring.

Woodland, Cal.—The Hardware firm of T. B. Gibson & Co. has been dissolved. Thos. Prior has retired and T. B. Gibson is now the proprietor of the business.

Improvements and Removals.

Lawrence, Mass. — Frederick W. Kidd, Hardware dealer, for a number of years located at the corner of Cross Street and Broadway Avenue, has removed his business to No. 400 Broadway.

Riverside, Cal.—The Trowbridge Hardware Co. have moved to the store formerly occupied by J. C. Hardman; they have fitted up the store in very handsome and convenient style.

West Palm Beach, Fla. — O. W. Weybrecht, the Hardwareman, has completed large two-story store building on Clematis Avenue, which will be occupied by himself.

Business Embarrassements.

Independence, Mo. — The Oak Grove Hardware Co. have made an assignment. The assets are said to be $2700, with liabilities amounting to $3300.

Maitland, Mo. — G. W. Randall & Co., Hardware and implements, have made an assignment.

Newberry, S. C.—Goggins & Plant, dealers in Hardware, etc., reported to have made an assignment.

Burglaries in Hardware Stores.

Charleston, W. Va.—Goshorn & Co., $50.

Pawtucket, R. I.—Dawson & Co., $70.

Madison, Wis.—Sumner & Morris, $235.

Snow Hill, Md.—Hargrove & Coolidge, $300.

South Bend, Ind.—Zeither Bros., revolvers and cutlery.

Tempe, Ariz.—H. W. Ryder, cutlery and shotguns.

Fires in Hardware Stores.

Cincinnati, Ohio. — Jacob Pfau's Hardware store was recently damaged by fire to the extent of $1000.

Elizabeth, W. Va.—The Hardware store of E. W. Harris & Co. was destroyed by fire.

Indianapolis, Ind.—Hildebrand Hardware Co., stock destroyed by fire.

LaRue, Ohio. — The Hardware store of Miles Longshore destroyed by fire. Loss, $1000; fully covered by insurance.

Mt. Washington, Pa.— The Hardware store of Henry Meyer on Boggs Avenue was completely destroyed by fire.

St. Paul, Minn.—The Hardware store of Charles L. Horst, No. 500 St. Peter Street was badly damaged by fire. The damage will reach about $3000 on building and stock.

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THERE is always a time in the career of every business when Quality and Finish is necessary to build up and maintain your business.



Has this time yet come to you?

It has if you wish to continue the confidence your customer has placed in you. The more competition you have the better ought to be your line of Barrows.

Thoughts and Ideas are valuable, but to maintain the intelligent effort, your goods must maintain a high quality and a moderate price. **THE CHAMPION BARROWS** possess all the above. What more can you ask?

BRYAN MFG. CO., Bryan, Ohio, U. S. A.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

Window Screen Manufacturers

Who wish to sell their goods in New England should write to

H. G. HIGGINS & CO.,
Manufacturers' Selling Agents
19 Pearl St., Boston.

Hunt
BICYCLE SADDLES
WESTBORO, MASS.

Request

Your Manufacturers or Jobbers to deliver your Bicycles fitted with . . . . . .

Hunt Saddles and Tool Bags

If you desire first class goods.

FENTON WHEELS FOR 1896



Are Models of . . . .

Perfect Proportion
Beauty and Strength
1¼ Main and 1½ Head Tubes
Tubular Hubs
Ball Retaining Cases
Mahogany Rims

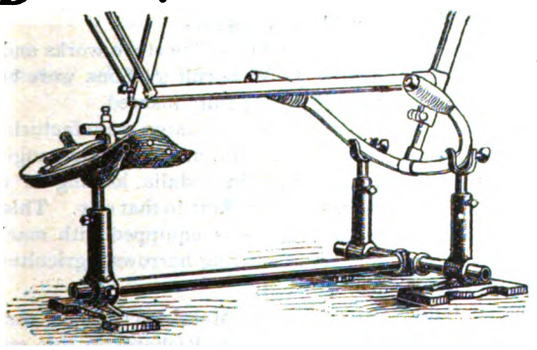
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P. S.—Fenton Wheels have Blue Crowns.

FENTON METALLIC MFG. CO., Jamestown, N. Y.

The **Bown Cycle Rack,** Price, $6.00

No Repair Shop Complete Without It.



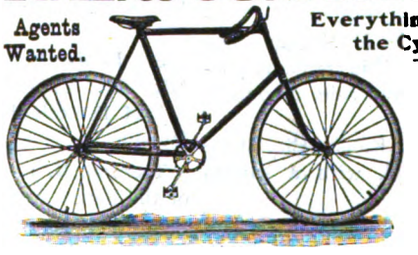
Discount to the Trade.

Manufactured by **Geo. Hilsendegen,**
Detroit, Mich.

R. H. & CO.'s 1895 LINE

Agents Wanted.

Everything Required by the Cycle Dealer.



The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Etc.

Baltimore, Md.—The W. E. Beveridge Mfg. Co., incorporated by Winfield E. Beveridge, John R. Gould, Jr., Joseph W. Whiteford, Howard Bryant and John S. Fardy; for making steam cookers and household specialties. Capital stock, $20,000.

Cleveland, Ohio.—The Colwell & Collins Bolt Co., organized, being the reorganization of an old firm. The business of making nuts and bolts will be continued. Capital stock is $35,000, and the incorporators are A. L. Colwell, C. E. Collins, H. R. Collins, H. A. Garfield and E. C. Collins.

Clinton, Iowa.—The Schneider Permutation Lock Co., incorporated, with a capital stock of $10,000.

Dover, N. J. — Richardson & Boynton Co., incorporated by Henry T. Richardson, Dwight S. Richardson and Frederick B. Richardson, of Brooklyn, N. Y., and John Anness, of Jersey City; to manufacture furnaces, ranges, heaters, etc. Capital stock, $150,000.

Fort Wayne, Ind.—The Perfection Mfg. Co., incorporated, with a capital stock of $12,000. The company will manufacture button fastening devices and button staples.

Fultonville, N. Y.—Articles of incorporation have been filed with the Secretary of State by the National Fencing Co. It proposes to manufacture wire of various sizes, and to manufacture and sell wire fencing, gratings, guards, etc. The amount of capital stock is placed at $100,000, and the directors are Robert Wemple and L. A. Starin, of Fultonville, and J. D. Wendell and F. E. Bakeman, of Fort Plain.

Indianapolis, Ind. — The Indianapolis Wrench & Stamping Co. was incorporated recently. The purpose for which it was formed is to manufacture wrenches and metallic novelties. The capital stock is $10,000, and the directors are Charles Meggenhoffen, Harry E. Reeves, Charles M. Bundy, Albert S. Courtright and James W. Neal.

Kansas City, Mo.—The National Pump Co. recently filed articles of incorporation. The incorporators are Michael Delaney, Thomas H. Keys, Charles H. Hallett, A. Shuman, Mary Keemle, Margaret D. Shuman, John Colman and W. M. Morgan. The capital stock is $10,000. The company purpose the manufacture and sale of pumps of all descriptions.

Kansas City, Mo.—The Kansas City Stove Works Co., incorporated, with a capital stock of $40,000.

Kingston, N. Y.—The American Tinfoil & Bottle Cap Co., incorporated by E. C. Hawkins, H. H. Hawkins and C. S. Maschall. Capital stock, $25,000.

Macomb, Ill.—The Macomb Plumbing & Heating Co., incorporated by A. M. Keith, John M. Keefer, John M. Fellhamer and Seward Best; for general plumbing. Capital stock, $2500.

Mansfield, Ohio.—The Barnes Mfg. Co. has been incorporated. The company will manufacture a full line of brass and iron pumps, etc. Work will soon be commenced on buildings for the plant. The machine shop will be two stories, 65 by 200 feet; the foundry will be 100 by 110 feet, and there will be a separate building for engine room and rattling and grinding department.

Marietta, Ohio.—On account of increasing business, the Leidecker Tool Co. will open branch works at Waverly. This is made necessary on account of the company being several weeks behind with their work.

New Kensington, Pa.—The Cold-Rolled Steel Works, which have been shut down for two years or more, have been sold to B. H. Woodson Co., of Massachusetts, and it is the intention of the concern to convert it into the tack factory. The machinery in the old steel works will be utilized in rolling out the tack sheets. It is proposed to place about eighty-five machines, making it one of the largest plants of the kind in the country. The factory will give employment to about four hundred men.

New York, N. Y.—The A. H. Petereit Brass Turning Co., incorporated by A. H. Petereit, J. H. Walther, Abraham Cooper and Dr. Felix Cohn, of New York, Capital stock, $15,000.

New York, N. Y.—The Aluminum Plumber Supply Co., incorporated by T. Millot, Constant Deerdon, Milton Schanier and X. Herme, of New York City; to manufacture plumbers' supplies of aluminum. Capital stock, $10,000.

New York, N. Y.—The Alexander Nut Lock Mfg. Co., incorporated by M. H. Alexander, John W. Johnston and R. R. Brown, of New York City. Capital stock, $20,000.

Shelton, Conn.—The Shelton Cutlery Co. are to erect a two-story brick factory, to be occupied by the Derby Razor Co., a new concern recently organized, for the manufacture of razors and similar articles.

Springfield, Mass. — The Hough Cash Register Co., which has a capital stock of $30,000, will establish its plant in Indian Orchard. The company will start on a small scale, employing only about twenty hands at first.

Springfield, Mo.—The Springfield Stove Works Co., incorporated by W. W. Baldwin, M. B. Clark, W. D. Sheppard, Benjamin U. Massey and others. Capital stock, $100,000.

St. Louis, Mo. — The American Brass Mfg. Co. Capital, $10,000. Incorporators —J. M. Dieterle, E. W. Dieterle and Charles Messner.

Trenton, N. J.—Articles of incorporation of the Porter Screen Mfg. Co. have been filed. The capital stock of the company is $100,000. The stockholders are Frank O. Briggs, F. W. Roebling, C. G. Roebling, A. T. Way and H. A. Way. The factory will be located at Colchester, Vt. It will be devoted to the making of adjustable window and door screens, wire cloth and other wire novelties.

Spring City, Pa.—It is reported that the American Wood Pulp Co.'s mills will be turned into a shovel factory, and that 500 hands will be employed. Samuel Egolf purchased the property recently.

Troy, N. Y.—The Columbia Novelty Co., incorporated by Leroy Vermilyea and James S. Clute, of Cohoes, and Frank B. Sheldon and Lewis Stevens, of West Troy; to manufacture and sell oil cans, etc. Capital stock, $25,000.

Utica, N. Y.—The Utica Drop Forge & Tool Co., incorporated by William M. White, C. C. Kellogg, T. R. Proctor, H. L. White and John P. Campbell, of Utica. Capital stock, $50,000.

Wilkes-Barre, Pa.—A company has been organized for the manufacture and sale of a patent flour sifter. The article resembles an ordinary ice cooler, and is so made that it can be placed in the kitchen against wainscoting or woodwork. No flour can be taken out unless it is thoroughly sieved, which means a great saving in flour and a better quality of baking. The company at present will do business in Pennsylvania only, but expects to extend its territory to other States. The officers are: C. E. Stegmaier, president; A. O. Lemeris, secretary; H. G. Leim, treasurer.

Woonsocket, R. I.—The Woonsocket Napping Co. is building a wooden mill, 125 feet long by 26 feet wide and a story and a half high, on land off Providence Street. The building will be used in the manufacture of a new patented sheathing apparatus to be used in woolen mills.

Changes and Removals.

Columbus, Ohio.—The Thomas L. Wayne Mfg. Co., Hardware dealers, has changed its name to the National Brass Mfg. Co. The stockholders are W. D. Henry, Franklin F. Lawson, William Goodale, F. M. Lawson, C. F. Nuezei and V. D. Cram.

New Buildings and Improvements.

Cincinnati, Ohio.—The Lodge & Davis Machine Tool Co. have added nearly $50,000 worth of machinery to their plant during the past ninety days.

Wilkes-Barre, Pa.—Two additional buildings will be added to the Hazard Wire Rope Works. One addition will be 63 feet wide and 89 feet long, two stories in height, while the other will be 110 feet long, 25 feet wide and two stories in height.

Recent Fires.

Grand Rapids, Mich.—The dowel factory of Ald. C. B. Clark was destroyed by fire. Clark's loss is $4000.

Salem, Ohio.—The stove works and foundry of J. Woodruff & Sons were burned. Loss, $30,000; fully insured.

Sedalia, Mo.—A large manufacturing concern at Polo, Ill., are making arrangements with parties in Sedalia, looking to the removal of their plant to that city. This mammoth concern is equipped with machinery for manufacturing harrows, agricultural implements, etc.

Springfield, Mass.— The mop manufactory of Church & Richards in this city was burned out, causing a damage of about $5000. A large quantity of waste was burned and the machinery was all damaged. The cause is unknown.

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WE GUARANTEE

A CIRCULATION FOR ALL THE NEWS. HARDWARE HARDWARE EXCLUSIVELY. OF NOT LESS THAN

ONE HUNDRED AND TWENTY THOUSAND

FOR

1896.

There is but one way, outside of the word of the publishers, to settle definitely the circulation of any newspaper, and that is to **publish the receipts from the post office** for the matter that is mailed. During 1896 we shall adopt this system, and will, each issue, publish the receipts for the preceding issue as obtained from the mailing department of the New York post office, and this will settle, once and for all, the truth of our assertions.

If it can be shown that we fall below 120,000 in the year we **will donate $1,000** to any charity named by the president of the New York Hardware Club.

HARDWARE PUBLISHING CO.,
143 Chambers St., New York.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Aberdeen, Wash. — Max Sanford, bicycles, has commenced business, accepting the agency for the Rambler.

Beaver Falls, Pa.—The Morado Bicycle Works commenced manufacturing bicycles October 25th.

Binghamton, N. Y.—Callahan & Douglass, Hardware, are preparing to add a bicycle department, and invite propositions from manufacturers of high grade bicycles.

Buffalo, N. Y.—The Buffalo Bicycle Skate Co., incorporated by W. R. Moulton, E. L. French, Wm. L. French, F. L. Lund and G. H. Chadeayne, of Buffalo, to manufacture and sell bicycle skates and other articles. Capital stock, $10,000.

Chicago, Ill.—Cutting & Kaestner, at No. 241 South Jefferson Street, have commenced the manufacture of a bicycle called the "Cutting Special."

Chicago, Ill.—Dawson & Sons are making preparations to commence the manufacture of bicycles for the '96 market. This branch of their business will be under the management of J. B. Losity, formerly of the March-Davis Co.

Chicago, Ill.—Kelly, Maus & Co., at No. 184-190 Lake Street, are preparing to take up the manufacture of bicycles, and will have their '96 models ready to deliver after the New Year. Their wheel will be a high grade, listed at $100, and known as the K. M.

Chicago, Ill.—The Domestic Cycle Co., incorporated by J. L. Sutherland, W. O'Brien and N. M. Lemington, to manufacture bicycles. Capital stock, $20.000.

Chicago, Ill.—The Garside Combination Bicycle Lock Co., incorporated by Wm. E. Rothermel, Jno. E. Garside, Wm. A. Bruette and H. McV. Sharp, to manufacture bicycle locks. Capital stock, $2500.

Cincinnati, Ohio.—The Fisher Carriage Co., incorporated by Horace Fisher, Alfred Hill, Lewis P. Frech, W. H. Fisher and William Marquette, to manufacture bicycles and other vehicles. Capital stock, $25,000.

Cleveland, Ohio.—H. A. Likly, bicycles, will open new store at No. 270 Euclid Avenue, and a repair business will be done. He has secured the agency for the Hoffman, also a number of medium grades.

Columbus, Ohio. — The Mills-Barr-Ratcliffe Co., incorporated by ex-Governor Campbell; his son-in-law, John M. Taylor; Edmund M. Hatcher, B. B. Hatcher and Samuel G. Osborn, to manufacture bicycles and other patented articles, among which is improved pneumatic tire. Capital stock, $15,000.

Columbia, S. C.—Mixson & Richards is the name of a new firm, composed of J. W. Mixson and J. E. Richards, which will carry on a business of bicycle repairing. Bicycle sundries will also be handled.

Des Moines, Iowa.— The Home Cycle Co., incorporated, with Francis Shoyer, president and treasurer; Chas. H. Van Cott, vice-president, and Garrett W. Madison, secretary, to manufacture and deal in bicycles. Capital stock, $10,000.

Dixon, Ill.—The Nash Mfg. Co., incorporated by John H. Brosius, of Terre Haute; Thos. C. Nash and Lott Becker, of Chicago; John A. McDermott and J. N. Newman, of Dixon, and others, to manufacture bicycles, sewing machines, etc. Capital stock, $250,000.

Gibsonville, N. Y.—A. Wein, Buffalo, N. Y., has purchased a factory building, with water power, and will commence manufacturing wheels for the '96 market.

Greenbush, N. Y.—Erwen Mfg. Co., incorporated by John Erwen and W. W. Grey, of Albany, and R. J. Pratt, of Greenbush, to manufacture bicycles. Capital stock. $5000.

Greenfield, Mass.—C. F. A. Eddy is organizing a company to manufacture bicycles. The wheels are to be made at B. B. Noyes' factory, and Mr. Noyes will have an interest in the company.

Harvard, Ill. — The Fleming & Dobyne Mfg. Co., at present manufacturing neck yokes, etc., is preparing to take up the manufacture of bicycles, and is turning out a twenty-two-pound wheel, to be known as the "Shenandoah."

Haywards, Cal.—Pimentel & Powell is the name of a new firm composed of William Pimentel and Dr. A. J. Powell, who have closed negotiations for the Pacific Coast agency for the Andrae bicycles.

Jacksonville, Fla.—Fred Bettelini, bicycles, opened two salesrooms in different parts of the city.

Kalamazoo, Mich. — Celery City Cycle Co. has secured a factory building on Edwards Street and will commence the manufacture of wheels.

Kansas City, Mo.—The American Bicycle Co. is the style of a new concern that has opened up for business.

Neenah, Wis.—Laas & Burnham is the name of a new firm, composed of R. J. Laas and S. E. Burnham, to manufacture bicycles.

New Haven, Conn.—The New Haven Chair Co., manufacturers of wheel chairs for invalids, have commenced the manufacture of bicycles. They will put on the market the New Haven, a high grade wheel, listed at $100.

New York, N. Y.—Geo. N. Pierce & Co., of Buffalo, N. Y., manufacturers of bicycles, will open New York branch corner Broadway and Fortieth Street. This company is also preparing to open new store at No. 105 Chambers Street.

New York, N. Y.—The Knickerbocker Cycle Co., incorporated by Wilber E. Goodwin, of Elmwood, Conn.; F. S. Parmlee, Clarence S. Martin and Lewis Brass, New York, N. Y., to manufacture bicycles. Capital stock, $12,000.

New York, N. Y.—The Monarch Cycle Co., of Chicago, have opened a branch house at No. 83 Reade Street, the vice-president of the company, Chandler Robbins, being the resident manager. This branch will be a shipping depot for the Eastern territory.

Omaha, Neb. — The Ak-Sar-Ben Cycle Co., incorporated, with a capital stock of $5000.

Peoria, Ill.—Luthy & Co. are preparing to commence the manufacture of bicycles of a high grade, and are equipping a factory for this purpose.

Pittsburg, Pa.—Steps are being taken by a number of prominent capitalists looking to the organization of a company, with a capital stock of $500,000, to manufacture bicycles, employing 300 men.

Portland, Ore.—T. G. Moody, Jr., a well-known wheelman, of Victoria, B. C., will commence bicycle business, having secured the agency of the Victor and Monarch wheels. He will also carry a line of sporting goods, and has placed an order for this stock with the Haldwell Co., of Seattle.

Racine, Wis.—Racine Bicycle Co., incorporated.

Springfield, Ohio. — The Thomas Mfg. Co., manufacturers of agricultural implements, will take up the manufacture of bicycles.

Wilmington, Del.—The McDaniel & Merrihew Cycle Co. has been incorporated by B. Frank McDaniel, S. Wallis Merrihew and Charles E. Fritz. Capital stock, $20,000.

Changes and Removals.

Anderson, Ind.—Carpenter & Miller, bicycles, have been succeeded by J. H. Carpenter.

Dayton, Ohio.—A. W. Gump & Co., bicycles, at No. 115 East Third Street, reported sold out to William F. Haas & Co., who will continue the business, handling the Crescent and Rambler bicycles.

Marion, Ind.—Allen & Holladay, bicycles, reported succeeded by Allen Bros. & Co.

Springfield, Mass.—Cole & Gerald, manufacturers of the Greyhound bicycles, will move their business to East Brookfield, Mass., having accepted a proposition from the Board of Trade of that place.

Springfield, Mass.—Geo. M. Hendee, bicycle manufacturer, has sold half interest in the business to E. A. Nelson, and the style of the firm will be the Hendee & Nelson Mfg. Co. They will manufacture the Silver King and the Silver Queen bicycles.

New Goods and Improvements.

Middletown, Ohio.—Miami Cycle Mfg. Co. has given out contract for au additional factory building.

Norwich, Conn. — Hulbert Bros. & Co., manufacturers of the Majestic bicycle, are establishing a warehouse and shipping department, to facilitate prompt delivery of repairs in parts.

Peoria, Ill.—The F. F. Ide Mfg. Co. will double its capacity for the manufacture of bicycles.

Recent Fires.

Chicago. Ill.—Derby Cycle Co., No. 177 South Canal Street, burned out.

Chicago, Ill.—George E. Lloyd & Co., bicycles, No. 175 South Canal Street, burned out.

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In War and Peace

Firearms are needed, and it is a wise man who is prepared for all emergencies. We are not disinterested in giving you this bit of advice, for we make

Iver Johnson Safety Hammer Automatic Revolvers.
Iver Johnson Safety Hammerless Automatic Revolvers.
Champion Single Barrel Shot Guns.
American Bulldog Double Action Revolvers.
Boston Bulldog Double Action Revolvers.

Iver Johnson Cycles
Fitchburg Cycles . . .

The material, workmanship, mechanical construction, finish, and superior advantages of the Iver Johnson Safety Hammer and Hammerless Automatic Revolvers are well known. We supply a long felt want for a high-grade and perfect revolver for police, house, and pocket use. We will send a catalogue describing our firearms to any address.

We make the IVER JOHNSON and FITCHBURG Cycles

We will be at Stands 317-318 Chicago Cycle Show, and Stands 228-229 New York Cycle Show.

Iver Johnson's Arms & Cycle Works,

FITCHBURG, MASS.

FOR SALE!

A LARGE MANUFACTURING PLANT.

Lately used as a Bicycle works. Large part of shafting and pulleys already in position, so that machinery could be attached and operations begun at once. Capacity, 15,000 Wheels per annum. This property, with water-power, is well adapted to many kinds of manufacturing purposes, and will be sold cheap. For further information, address

JAS. DICKSON, 98 4th Ave., Pittsburgh, Pa.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c.
Sheet Metal Punching and Nickel-Plating.



When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD BICYCLES

100.00
60.00
50.00
40.00



List Prices for 1896.

THE CRAWFORD MFG. CO.

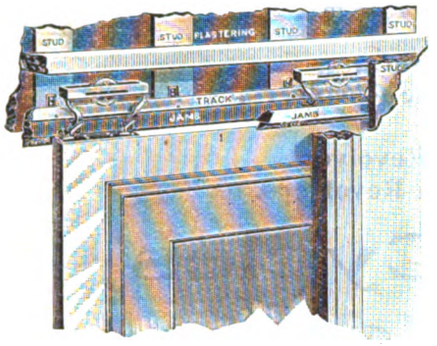
BRANCH HOUSES:
New York, 70 and 72 Reade St.
St. Louis, 608 North 4th St.

Factory and Main Office:
HAGERSTOWN, MD.

New England Agents, Bigelow & Dowse Co., Boston, Mass.

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Stearn's Steel Parlor Door Hanger



IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

"The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw."

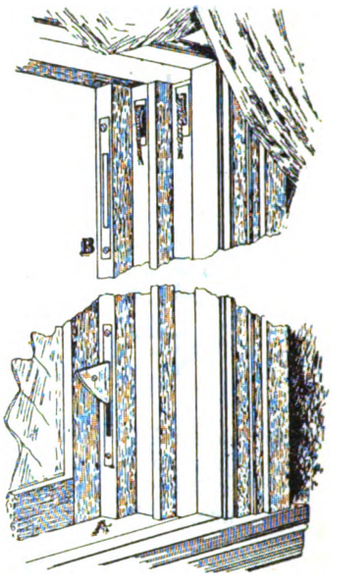
E. C. Stearns & Co.,

Send for Circular and Price-List. Syracuse, N. Y.

JOHNSTON'S
Window and Door Frame Attachment

For Securing Storm Sashes, Storm Shutters and the like.

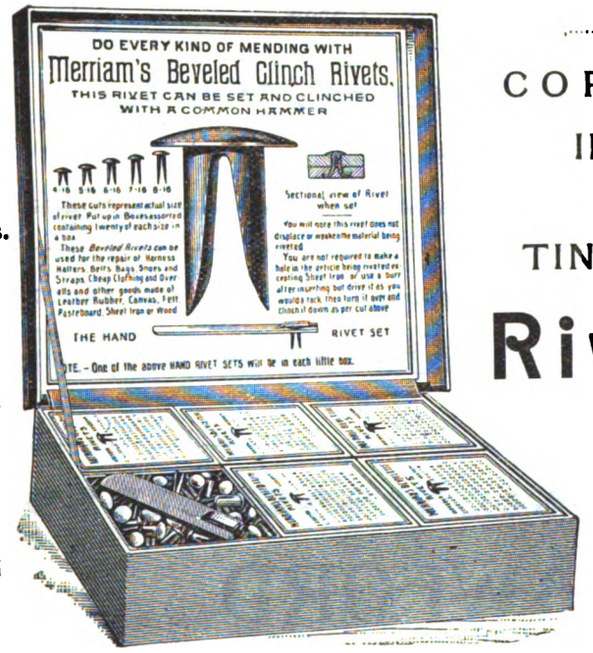
A Shows the fastener securing a Storm Sash, as seen from inside of room.



B Shows the fastener where not in use. The device is complete, in one part, cannot get broken or lost, is always ready when wanted, as it is permanently set in the edge of window casing. They are made with sockets of iron, with brass tongue, and in solid brass. Sample to any address for 25 cents. AGENTS WANTED.

J. D. JOHNSTON, Mfgr., Newport, R. I.

Write your jobber for quotations on these goods. They are a ready seller. If he has not the goods send me his name and we will send him quotations and sample box.



.....ALSO .....

COPPER, IRON AND TINNERS'

Rivets

AND

Light Metal Work TO ORDER

WILLIAM N. MERRIAM 103 BEDFORD STREET BOSTON, MASS.

Live Hardwaremen use

Perfect Shelf Boxes

. . . . .

We Manufacture

Perfect Shelf Boxes

. . . . .

Write for Catalogue and Prices

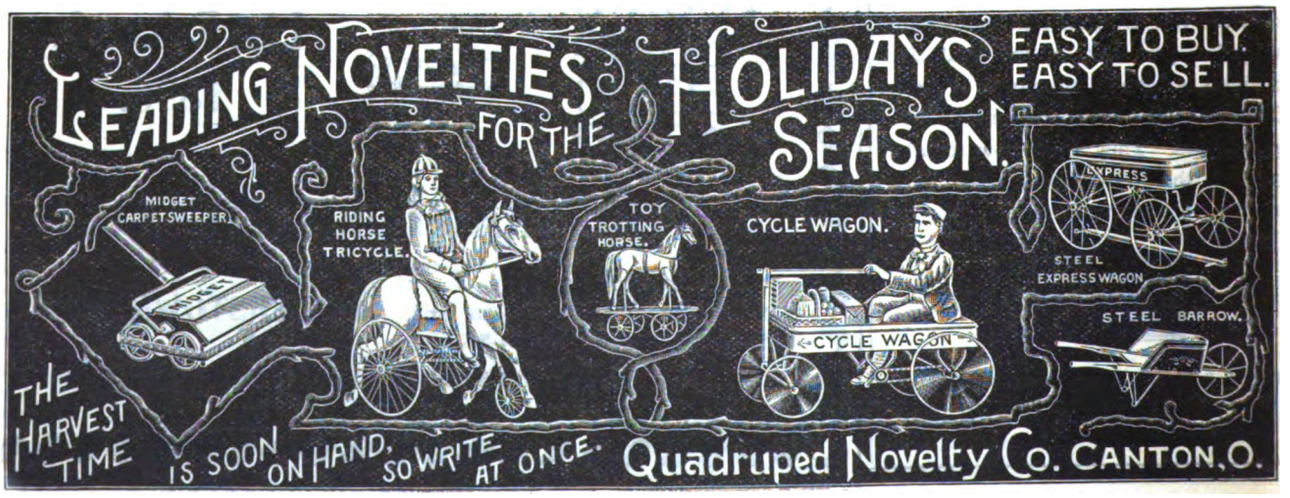
C. P. MOORE,

Box 5. **Ravenswood, W. Va.**

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.



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We are Sole U. S. Agents for

Miller's Bicycle Lamps

Send for Lamp Catalogue.

A. M. SCHEFFEY & CO.,
92 Reade Street, New York.

Cyclight, - $1.00
Jupiter, $2.00
Miniature, $3.50
Bell Rock, $4.50
Lito, $5.50
Duplex, $6.50

MEDIUM GRADE AND HIGHEST GRADE.



1896

Rochester Bicycles

Are a revelation to lovers of the Silent Steed. . . . .

Rochester Cycle Mfg. Co.,
ROCHESTER, N. Y.

PRICES $75 AND $100





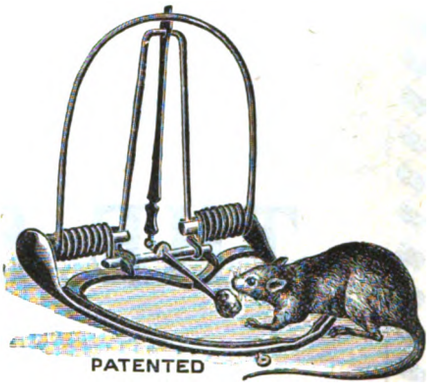
Handsomely Nickel Plated. Light and Strong. Key fastens in lock when not in use. The neatest and most secure Bicycle lock on the market.

Schuyler's New Rat Killer.

DO THEY SELL?

"The only traps that sell on their merit after being used. Send us five gross at once."
Builders' Hardware Co.,
New Orleans, La.

"In six days we sold 126 traps and could have sold 100 more if we could have gotten them."
Omohundro Hardware Co.,
Whitesboro, Texas.



Our traps are adopted and used by the U. S. Government, and by nearly every Museum of Natural Science in the United States and Europe. Easy to set—pull up the spring and it snaps in place. Folds for packing in handsome shelf boxes. Write for circulars and prices. If your Jobber will not furnish them write to us. **Remember, We pay the freight.**

J. R. SCHUYLER & CO., BLOOMSBURG, PA.



THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.
Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.
MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

SOLD BY ALL DEALERS AT A LOW PRICE

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313-315 B'way, New York.

A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

Our Tires Are All Right.

WE MAKE

Single Tube, Double Tube and Detachable Tires.

SPAULDING & PEPPER CO.,
Chicopee Falls, Mass.

CYCLE CHAINS

If you Want the BEST Place Your Order With the

Indianapolis Chain & Stamping Co.,

INDIANAPOLIS, IND.

Roger B. McMullen & Co., General U. S. Sales Agents, 130 Lake St., Chicago, and 309 Broadway, New York City. John S. Leng's Sons' Co., 4 Fletcher St., New York City, N. Y. Depot. Elastic Tip Co., 370 Atlantic Ave., Boston, New England Depot. Western Rubber Co., 14 Fremont St., San Francisco, Pacific Coast Depot.

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A Business Proposition.

* * * *

We have something that you want if you only knew it---now if you will give us a chance to quote on our line of wheels we think we can show the Hardware Dealer why we claim the best selling line of Bicycles made. . . . . .

* * * *

THE SYRACUSE

Is the easiest riding bicycle therefore the easiest selling --- perhaps you question this. DON'T. WE HAVE PROOF. We have other makes listing down as low as $40.00.

Get in line for a good agency.

Supplee Hardware Co.,

Philadelphia, Pa.

WRITE FOR CATALOGUE.

Mention "HARDWARE" if you please.

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MONARCH

THE APEX OF BICYCLE PERFECTION.

IN our 1896 Models we have incorporated all the good things known to the best Bicycle Makers, including several features peculiarly our own. They are the crowning glory of our unparalleled success as builders of high-grade wheels—the concentrated extract of bicycle goodness.



WE also make **DEFIANCE**, the best of lower-priced wheels, especially adapted to the Jobbing Trade. Eight models for adults and children, $75., $60., $50., $40. Fully guaranteed.

Four Models,

$80 and $100

Agents Wanted.

Write for Terms.

Monarch Cycle Mfg. Co.

83 Reade St., New York. **Lake, Halsted and Fulton Sts., Chicago, Ill.**

DO YOU SELL WHEELS?

If Not WHY NOT?

There is money in it if you are Agent for the right Wheel. In this connection we wish to say the

WHEELER

Price, $85.00

Is one of the very best High Grade Wheels in the market. It is strictly high grade in every particular, and contains more points of excellence than any other wheel offered to the trade. Our Patent Detachable Crank Shaft is by far the best thing out and will sell on sight. You will make the mistake of your life if you fail to investigate the merits of the WHEELER before placing your order for '96 wheels. Our Catalogue will soon be out and we would like to mail you one.

Write us for discounts.

Secure Agency Now!

The Defiance Bicycle Co.,

Defiance, Ohio.

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1896

Lovell Diamond Bicycles.

STRICTLY HIGH GRADE.

$100.

Lovell Excel Bicycles,

MEDIUM PRICE.

$40 to $75.

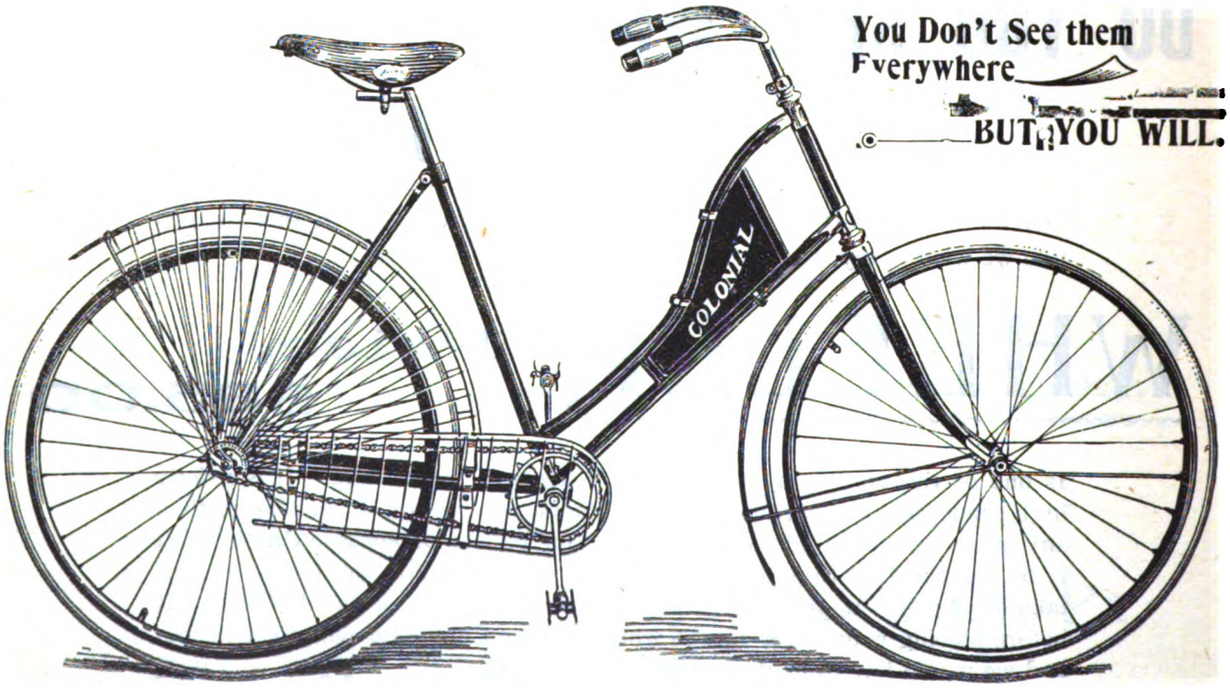
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John P. Lovell Arms Co.,

BOSTON, MASS.

The Colonial

Recognized as the SOCIETY WHEEL.



JOHN McCLAVE & SONS, MAKERS,

602-604-606 W. 22d ST., New York City.

Salesroom, 371 Fifth Avenue, Southeast corner of 35th Street.

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Building Bicycles

requires only a slight mechanical knowledge, but building strictly high grade Bicycles requires great knowledge wisely applied. . . . . .

Remington Bicycles . .

Are the finest experience can produce, that money can purchase. These are facts recognized and appreciated by experienced riders and progressive agents. . . . . .

Agencies arranged in unoccupied territory.

REMINGTON ARMS COMPANY,

Factories: Ilion, N. Y. 313-315 Broadway, New York City.

Experienced AND Progressive Dealers

are looking for a wheel for the **present and future.** Not a bicycle of the **past.** Because a wheel was popular when riders were satisfied with a **forty pound roadster** it does not follow that it is up to the mark **to-day.**

The DAYTON

Is a Modern Wheel,

right in line with the ideas and demands of **up-to-date dealers** and riders, one which attracts attention, favorable comment and **trade** wherever shown.

REMEMBER! 1 1-4 inch tubing not swaged.

The Davis Sewing Machine Co.,

Dayton, Ohio.

338-340 Wabash Ave., CHICAGO. 76 Reade St., NEW YORK. 159 Tremont St., BOSTON.

AGENTS WANTED IN TERRITORY NOT ALREADY CONTRACTED.

Mention "HARDWARE."

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NEW FIRM, NEW FEATURES, NEW WHEEL.

"The Cayuga."

Thoroughly High Grade. List, $100.

We Want the Hardware Trade and Propose to Have It.

Our advance circular is now ready and will be sent upon application.

Manufacturers, **The Iroquois Cycle Mfg. Co.,**

393 and 395 Broadway, cor. Iroquois Place,

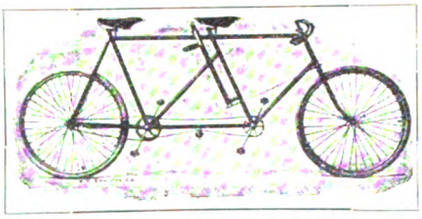
MICHAEL F. DIRNBERGER, JR.,
Secretary and Gen'l Manager.

Buffalo, N. Y.

OUR CATALOGUE IS READY FOR 1896.

IT IS COMPLETE

With much information pertaining to bicycling and bicycles, and will prove interesting reading to all. Our line of wheels is one of the most complete on the market. We have three factories in which we build high-grade wheels, medium price machines and children's wheels.



TEMPLE TANDEM.

OUR PRICES at $100.00 to $40.00
Comprise Machines Listed at $40, $50, $60, $75, $85, $100.00, also $150.00 and $175.00 for Tandems and Parcel Carriers. . . .

WE MANUFACTURE our own Saddles, Pedals and Tires, and guarantee to keep our wheels in repair for one year.

Ralph Temple Cycle Co.,

CATALOGUE MAILED FREE (To any one.)

204 35th St., CHICAGO, ILL.

The Bison

Is 24 carat fine.
Handsome in design.
Superior in construction.
Excels all others in finish, and has stood the test.

Records like this are ours:
200-mile American road record. Time, 11:58:15.

AGENTS SECURE YOUR TERRITORY NOW, BEFORE IT IS TOO LATE.

Seyfang & Prentiss,

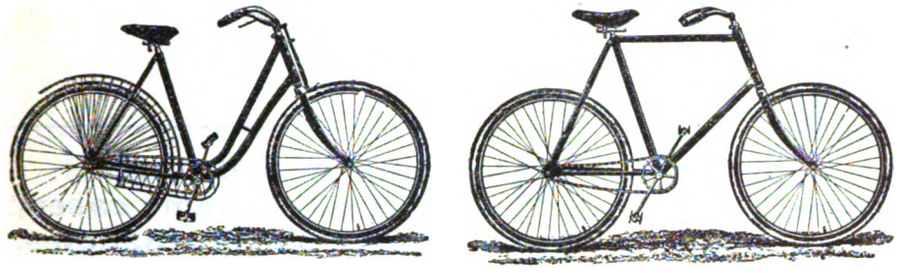
Manufacturers,

Retail Salesroom, 561 Main Street,

Office and Factory: 451-455 Washington St., BUFFALO, N. Y.

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THE BICYCLE Makes a Good line, and THE LIBERTY Makes a Good BICYCLE.



Hardware dealers cannot afford to handle a wheel without a reputation; **The Liberty** is

America's Representative Bicycle,

and its reputation extends from zone to zone. . . . . .

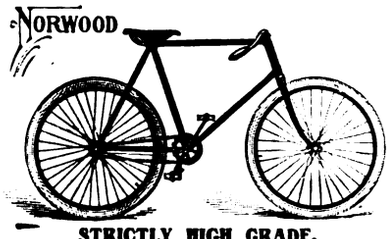
Agencies placed in unoccupied territory.

The LIBERTY CYCLE CO.,

4 Warren Street, New York.

A GOOD WHEEL

Is what people want, and we make it.



STRICTLY HIGH GRADE.

Our theory is not how cheap, but **HOW GOOD.** Every wheel guaranteed. Prompt deliveries insured during entire season.

Write for Catalogue.

Schlueter Cycle Mfg. Co.

Cincinnati, Ohio.

THE highest stage of the art in Bicycle construction is represented by the

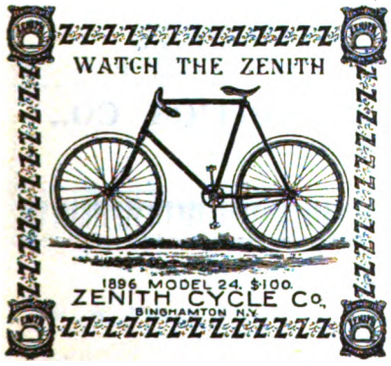
Ben Hur

Four Superior Models, $85 and $100.

The agency for **Ben Hur Bicycles** is a valuable asset to the Hardware Trade, and we are prepared to make liberal inducements to responsible parties. Our famous name plate is a guarantee of excellence.

Central Cycle Mfg. Co.,

9 Garden St., Indianapolis, Ind.



The "ZENITH"

has the following points of excellence: tool-steel bearings, absolutely dust proof, barrel hubs, easily detached cranks, large tubing, reversible handlebar, narrow tread. . . . . .

Write for advance Sheet.
Agents wanted.

Zenith Cycle Co. Manufacturers,

Binghamton, N. Y.

Mention "Hardware."

THE WHEEL THAT DON'T BREAK.

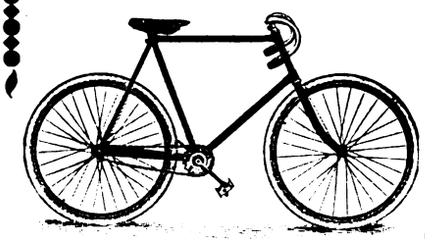
Price, $75.00.



Send for Catalogue and Territory.

TRIBUNE BICYCLES.

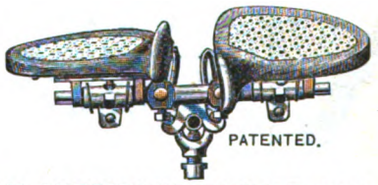
The Best in The World.



Send for Catalogue.

THE BLACK MFG. CO.,

Erie, Pa.



AN AUTOMATIC BICYCLE SEAT

that tilts in perfect harmony with the motion of the leg. It is in two sections, each independent of the other. It is the only seat that doctors say overcomes the defects and dangers of riding, such as chafing, numbness, and entirely relieves the sensitive parts.

Ask your Hardware dealer to show it, or send for particulars to the

Automatic Cycle Seat Co.,

Grand Rapids, Mich.

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SAGER SADDLES are used on nine-tenths of the High Grade Wheels. . . . . .

ALL dealers who insist on SAGERS can get them on their Wheels. . . .

DEALERS who do not insist will, in some cases, be given cheaper Saddles.

SAGER SADDLES cost more than any others, and are worth more. . . . . .

SAGER MFG. CO.,

Send for '96 Catalogue

ROCHESTER, N. Y.

THE CHICAGO CYCLE SHOW

AT TATTERSALL'S

under the auspices and sanction of The Board of Trade of Cycle Manufacturers.

January 4 to 11, 1896.

Enormous Auditorium.... Over 300 Exhibition Spaces.

Treatment of Visitors.

All visiting bicycle agents and dealers, and those in kindred lines, visiting the show are entitled to free admission to the morning sessions—which are reserved exclusively for the trade—and to half price admissions during afternoons and evenings. To secure these concessions visitors should present business card or otherwise identify themselves. Otherwise no concessions will be granted.

Reduced Railroad Rates.

A rate of one fare and one-third for the round trip to Chicago will be made on all railroads in the Central Traffic Association, Trunk Line Passenger Association and Boston Passenger Committee Territory, Chicago and Ohio River Traffic Association Territory, Western Passenger Association Territory, Southern States Passenger Association Territory—142 different railroads.

In buying tickets, the full fare must be paid to Chicago and a certificate taken from the ticket agent. This, when countersigned by an officer of the National Cycle Exhibition Co., appointed for the purpose, will entitle the holder to a return ticket for one-third fare.

Tickets going to Chicago may be purchased at any time between January 1 and 11. Tickets for the return journey any time between January 4 and 15. Tickets are good only for continuous passage.

THE NATIONAL CYCLE EXHIBITION CO.,
334 DEARBORN ST., CHICAGO.

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THE CLEVELAND CYCLE

The Highest of the High Grade

$100.00

Just a Little Better

DESIGN
CONSTRUCTION
FINISH
STRENGTH
DURABILITY
BEARING
CHAIN
PEDAL
TIRES

Than Any Other Cycle.

BEST SELLING
BEST SATISFYING
BEST TRADE BUILDER
IN THE MARKET.

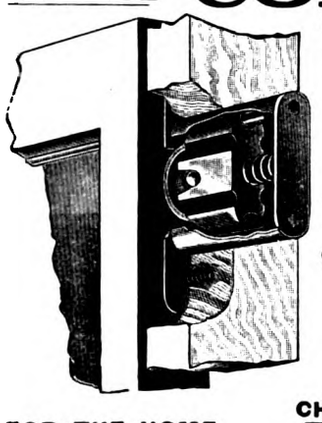
Address for Prices, Terms and Territory

H. A. Lozier & Co.,

BRANCH HOUSES:
337 Broadway, New York City,
830 Arch Street, Philadelphia, Pa.
304 McAllister Street, San Francisco, Cal.

CLEVELAND, OHIO.

THE COLBURN Window Spring.



PATENTED.

Entirely new, simple, easily adjusted, practical, cannot break, and will last a lifetime. "You push the window, the little wheel and tension spring does the rest."

CHEAP

FOR THE HOME

Have this Spring put in your house. The cost is ½ less than weights and cord. You can easily and quickly adjust it to any window. It don't get out of order.

PERFECT

FOR HOTELS

This creates a revolution in window springs. Hotel windows raised or lowered with perfect ease.

INDISPENSABLE

FOR R. R. CARS

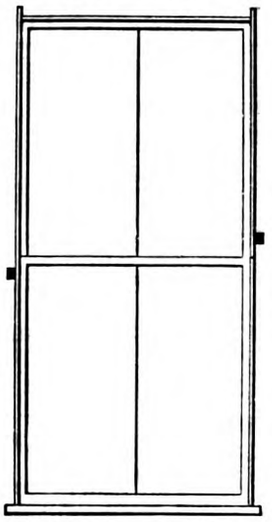
Car windows opened with ease and held at any desired position: no unexpected dropping.

INVALUABLE

FOR INSIDE BLINDS

How easily you can manipulate a Venetian Blind when the Colburn Spring holds it.

SATISFACTORY.



Prices, $42.00 and $54.00 per gross.
A Liberal Discount to the Trade.

General Agent for United States. **E. A. WORTHEN, Burlington, Vt.**

A Chapter of DON'TS.

Don't ride a saddle that vibrates.

The Mesinger Saddle Don't.

Don't ride a saddle that injures.

The Mesinger Saddle Don't.

Don't ride a saddle that impedes free action.

The Mesinger Saddle Don't.

Don't ride a saddle that looks crude.

The Mesinger Saddle Don't.

Don't ride a saddle that loses shape.

The Mesinger Saddle Don't.

Don't ride a saddle that presses the perineum.

The Mesinger Saddle Don't.

Don't ride a saddle that detracts from the grade of your wheel.

The Mesinger Saddle Don't.

Don't ride a saddle that breaks.

The Mesinger Saddle Don't.

Don't ride a saddle that chafes.

The Mesinger Saddle Don't.

It costs a little more, but!!

Liberal Discounts to the Trade.

Rattan first to make the seat firm but elastic; then felt to soften; then leather to waterproof and make durable, and a V shaped aperture cut through both felt and leather to relieve any injurious pressure.

Samples sent on 10 days' approval at our expense.

HULBERT BROS. & CO.,

26 West 23d Street,

New York City.

MANUFACTURERS

FIRE ARMS, MAJESTIC BICYCLE, SUNDRIES AND SPORTING GOODS.

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OUR 1896 MODELS READY TO SHIP.

PEER.

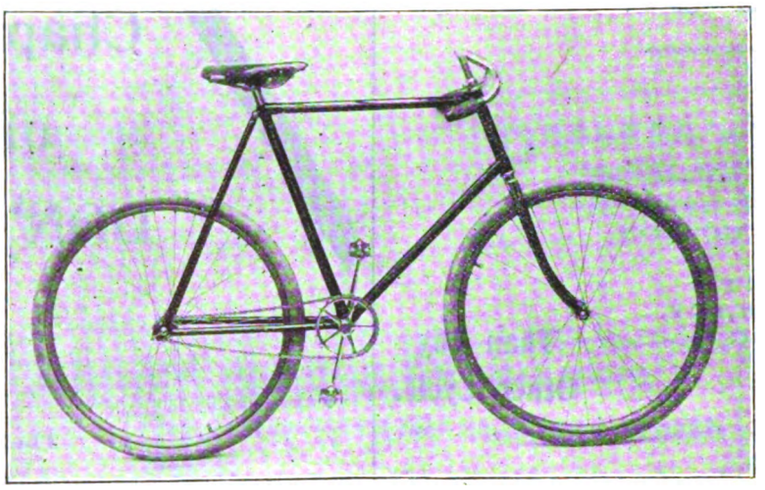
AGENTS WANTED
for exclusive territory.

Dust Proof
Barrel Hubs.

Tool Steel
Bearings.

Forged Steel
Sprockets.

Best 1 1-8-inch
Tubing.



Speed
Strength
Durability

PRICE,
$85.00.

EQUAL to any $100 Wheel on the market. . . . . Order sample and be convinced. . . .

LADIES' WHEEL NEXT ISSUE.

ALL other material the best that can be bought, and only skilled workmen employed. Over twenty-one years' experience in manufacturing High-Grade Vehicles and Wheels is guarantee of Perfection in our production. . . . . .

A. & F. Meyer Co.,

BUFFALO, N. Y.

Rhode Island Perkins Horse Shoe Co., Mauufacturers of
HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

F. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.

Once Tried
Always Ridden.

The Quincy

THE only wheel on the market that is guaranteed for **more** than one year. It has Tool Steel Bearings, Adjustable Bars, Swell Forks, Double Bridge Crown. Large Tubing, Horizontal Lines and Handsome Finish. . . . . .

The Quincy Perfection Tandem
Breaks All Records.

Send for Hardware discounts.

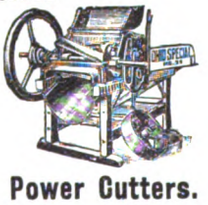
The Quincy Cycle Co.
QUINCY, MASS.

Ohio Line Feed Cutters.

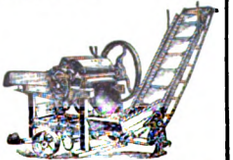


Horse Powers Engines,
Feed Mills and
Steam Cookers.

Hand Cutters.



Power Cutters.



Ensilage Cutters and Carriers.

WRITE FOR PRICES.

The Silver Mfg. Co.,
SALEM, OHIO.



ACTUAL SIZE

"TRENTON" CYCLOMETERS ARE THE BEST.

MADE OF ALUMINUM.

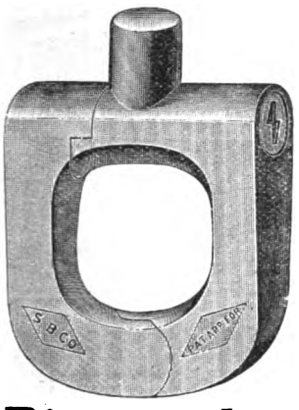
Light, Strong, and Accurate. Electrotypes supplied to the trade upon application.

TRENTON WATCH CO., Trenton, N. J.

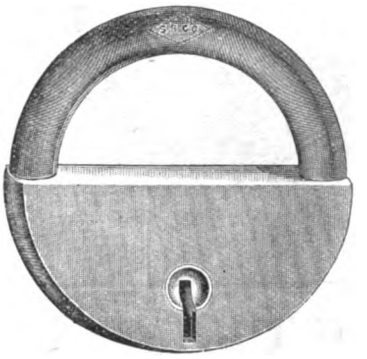
A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

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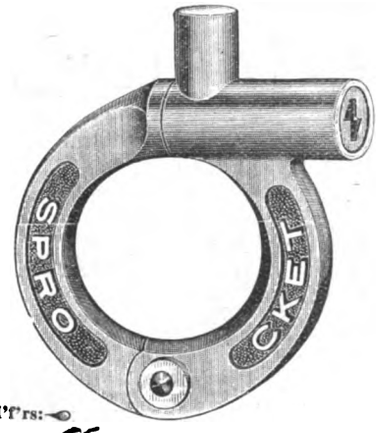


S. B. Co. HIGH GRADE POPULAR PRICED BICYCLE LOCKS ARE STANDARD FOR EXCELLENCE



Bicycle Locks AT All Prices

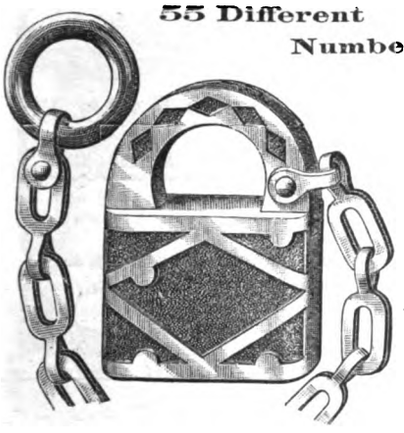
CATALOGUE SHOWS 55 Different Numbers.

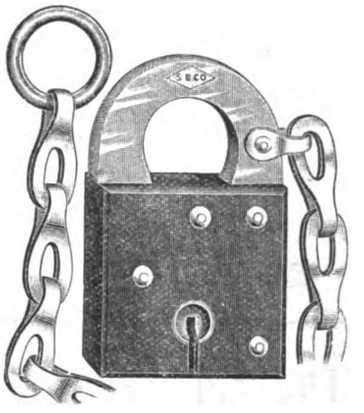


LOCKS TO PLEASE THE Most Fastidious.

AND

LOCKS To Meet the Views of the Most Economical.





Sole M'f'rs:

THE SLAYMAKER-BARRY CO.
(INCORPORATED)

The Largest Mfrs. of Padlocks in the World.

Sole Sales Agent:

John H. Graham & Co.

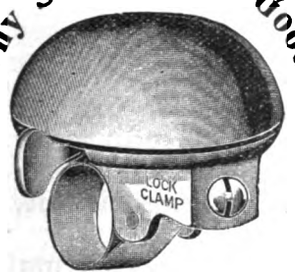
113 CHAMBERS STREET,
NEW YORK.

"DON'T YOU HEAR DEM BELLS?"

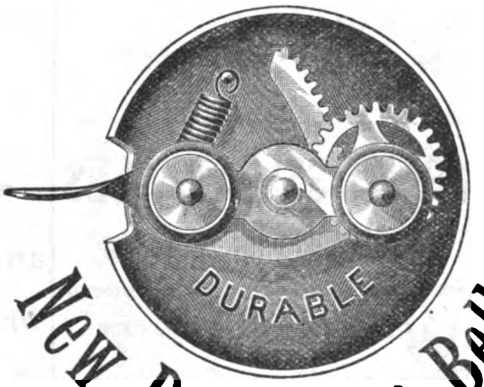
Get into line for

EIGHTEEN HUNDRED AND NINETY-SIX.

Why Sell Inferior Goods



FIFTEEN STYLES RETAILING from 15c. to $2.00 for 1896.



New Departure Bells

ARE THE

STANDARD OF EXCELLENCE

When the Best Cost so Little?



NEW PRICES and PROTECTION to the TRADE for 1896.

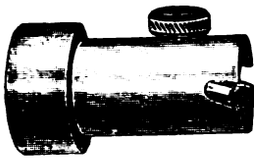
THE WIDE WORLD OVER.

JOHN H. GRAHAM & CO.,
Selling Agents,
113 Chambers Street, - New York.

ALL INFRINGERS PROMPTLY PROSECUTED.

THE NEW DEPARTURE BELL CO.,
Sole Manufacturers,
BRISTOL, CONN., U. S. A.

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Write for Circulars.

THE most durable, most practical and most satisfactory **NOZZLE** yet invented.
A simple, straight, open tube. . . . . .

No Valve, No Ball, No NOISE.

Will spray from finest mist to coarsest rain, or throw solid stream.

Manufactured by the

H. F. Neumeyer Mfg. Co.,

Macungie, Pa., U. S. A.

"THE BALL DOES IT ALL!"



No. 6. ¾ inch. Ball Nozzle Lawn Sprinkler.

NO Back Pressure, Nothing to Break, Natural Rain, No Mist, Never out of Order. . .

A PORTABLE and BEAUTIFUL FOUNTAIN.

THE GREAT BALL NOZZLE.



No. 5. ¾ inch Ball Nozzle. For Fountains and Trees

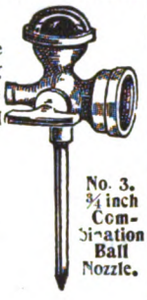
WATER pressure will not dislodge the Ball, though there is nothing to hold it in position. . . . .



No. 4. ¾ Inch. Combination Ball Nozzle.

NATURE SERVES MAN IN A MYSTERIOUS WAY! WHY DOES THE BALL REMAIN AGAINST PRESSURE?

Send for Catalogue.



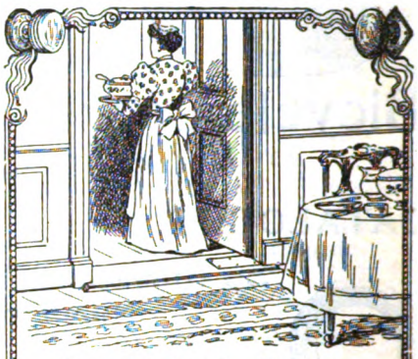
No. 3. ¾ inch Combination Ball Nozzle.

BALL NOZZLE MANUFACTURED SOLELY BY

AMERICAN BALL NOZZLE COMPANY,

837-847 BROADWAY, NEW YORK.

Branch House:—325 SUTTER ST., SAN FRANCISCO, CAL.



For Butler's Pantry

and all other Swing Doors, the best device is

BARDSLEY'S CHECKING SPRING HINGE.

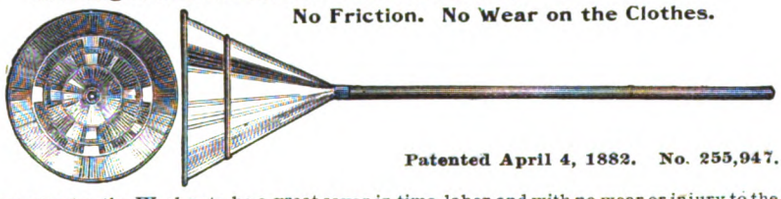
It goes in the sill under the door and works in oil. Send for catalogue showing this and the best line of

WOOD DOOR KNOBS, DOOR STOPS, &c.

J. BARDSLEY, 149 Baxter St., New York.

The Compressed Air Washer at the Head.

It is Light and Portable. Lasts a Lifetime.
No Friction. No Wear on the Clothes.

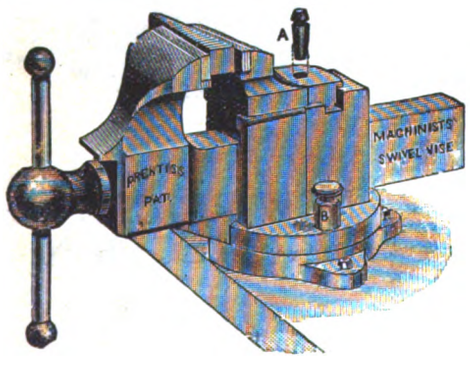


Patented April 4, 1882. No. 255,947.

We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.

Retail Price, $2.50. Send for Circulars and Prices

Manufactured only by **E. M. HEATHMAN & CO.,** HAMILTON, O U. S. A.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

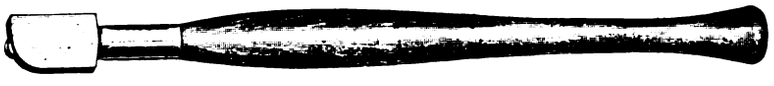
Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York

GLASS CUTTERS



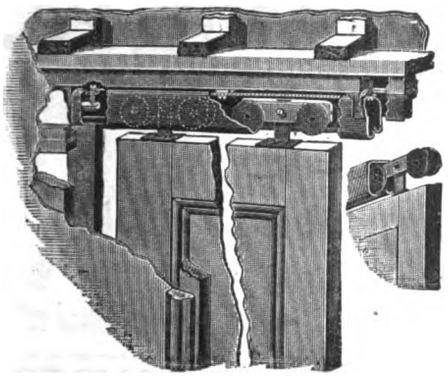
We want every hardwareman to know that our specialty is the manufacture of . . . **Rolling Steel Wheel Glass Cutters** and that we can make it worth money to them to handle our goods. Correspondence solicited.

W. L. BARRETT, BRISTOL, CONN., U. S. A.

PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





ELECTRIC WASHING MACHINE

MADE OF

Best Virginia White Cedar.
All Trimmings, Castings, &c., Galvanized.

● AN EASY SELLER. ●

Prices and Catalogue gladly sent on application.

Richmond Cedar Works, Man'f'rs of Woodenware,

RICHMOND VA.

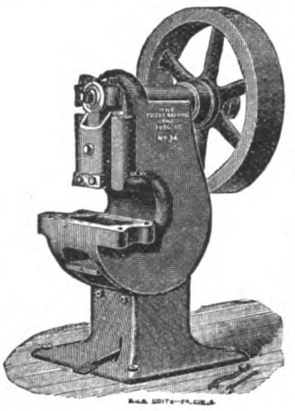
Mention HARDWARE.

SUCCESS

is the daughter of good advertising. I can help you win her. My business is the preparation of trade-pulling advertisements—the kind progressive hardware dealers need. May I write some for you?

Arthur Boughton Chivers, Advertising Writer,

257 Broadway, New York.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.

Write for Catalogue and prices.



FOR "POULTRYMEN"

THE "DAISY" BONE CUTTER.

BEST IN THE WORLD.

"Gem" Clover Cutter. The $5 Shell and Corn Mill. Farm Feed Mills, Powder Mills.

Send for circular and testimonials.

WILSON BROS. Sole Mfrs., **EASTON PA.**

A GREAT LEADER for you is

WORTHLY'S PATENT "SLOW FEED,"

$1.60, 25-lb. Manger.

10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



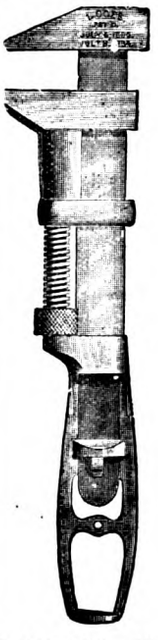
BROAD GAUGE IRON STALL WORKS,

53 Elm Street. Boston, Mass.

CANFIELD'S MOULDED RUBBER GOODS

RUBBER HEADED NAILS
GLASS GAUGE
GASKETS, RINGS, BUMPERS.
BOILER GASKETS

SMALL RUBBER GOODS · H. O. CANFIELD · BRIDGEPORT, CT. · MOULDED RUBBER GOODS



L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

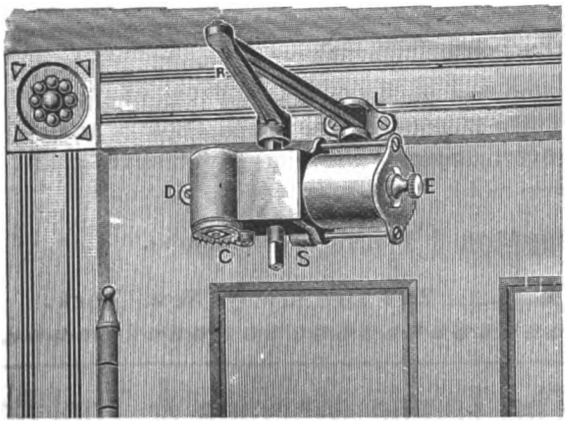
Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.

HERE IT IS ON THE DOOR.



PATENTED SEPT. 11, 1894.

The New Royal Door Check & Spring

Excels All Others.

PRICE LIST:

	Each.
No. 1. Light Screen Doors,	$2.40.
No. 2. Small Inside Doors,	3.30.
No. 3. Large Inside Doors,	4.80.
No. 4. Ordinary Store Doors,	5.60.
No. 5. Large Store Doors,	7.00.

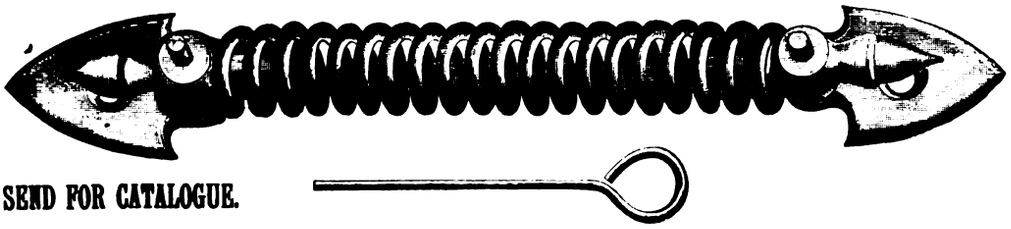
For Discount see prices current this paper

The ROYAL has a Compressed Air Check.

For Sale by All Leading Jobbers.

W. H. QUINN & CO.,
103 Chambers St., New York

Keep the Frosty Winds Out!
Use the Celebrated . . . . . FOSTER DOOR SPRINGS.



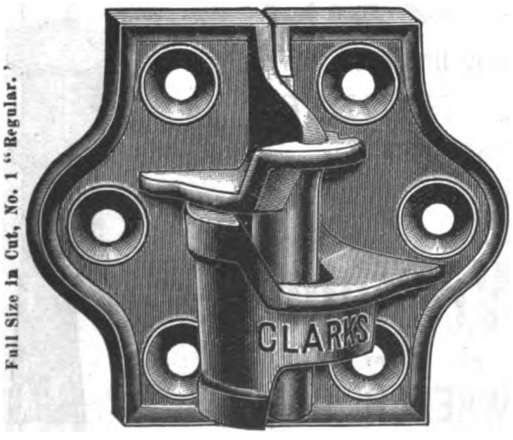
Strongest and Most Durable on the Market.

Made in 4 Sizes.

SEND FOR CATALOGUE.

Manufactured by **W. W. PRYOR HARDWARE MFG. CO., Newark, N. J.**

N. Y. Office and Salesroom, 81 CHAMBERS STREET.



Full Size in Cut, No. 1 "Regular."

THE CLARK M'F'G CO.,

ORIGINAL AND ONLY
Manufacturers of the Genuine

"Clark's" Blind Hinges

All Imitations are Counterfeits.

Also Manufacturers of

Lull and Porter, O. S.; "Dixie" L. & P., and "Buffalo Reversible" Shutter Hinges; Gate Hinges and Latches, Sash Pulleys, Cast Loose Pin Door Butts, &c.

BUFFALO, N. Y.

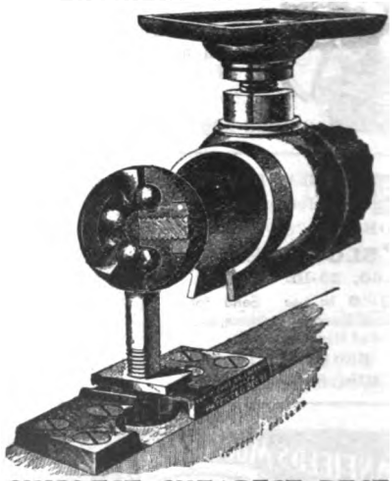
CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.
C. H. Angus, - Albany, N. Y.

McCABE BALL BEARING DOOR HANGERS.

ENTIRELY OF STEEL.



SIMPLEST, CHEAPEST, BEST.

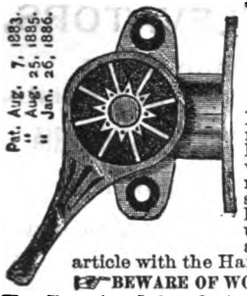
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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS

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Manufacturers of

Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

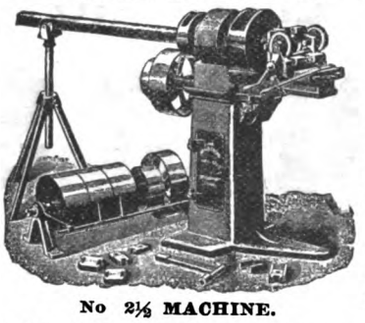
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"HARDWARE."

YOUR STOCK IS NOT COMPLETE

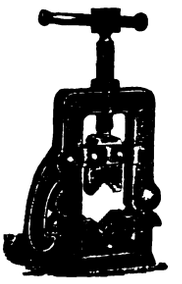


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No 2½ MACHINE.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



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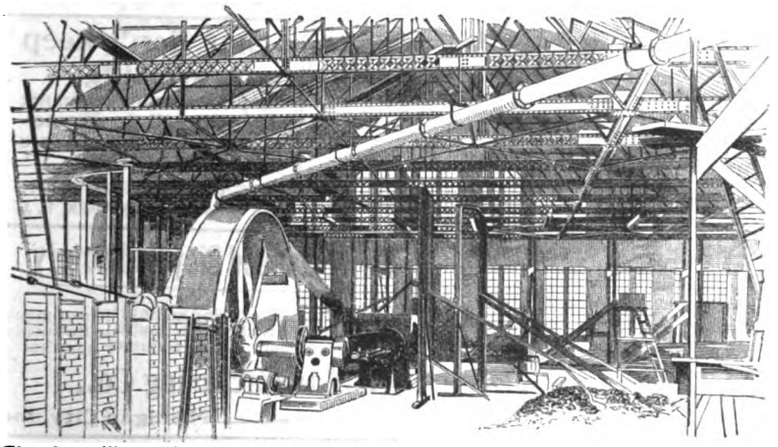
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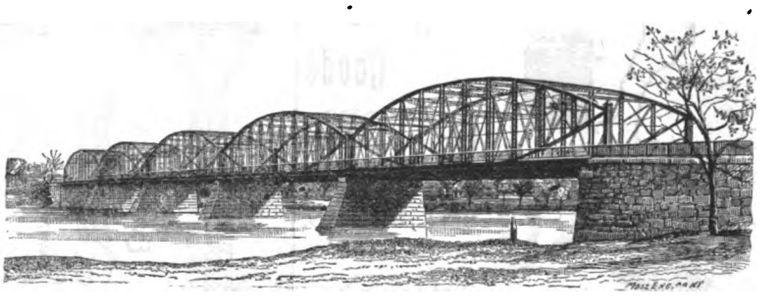


The above illustration is taken direct from a photograph, and shows the interior of a Rolling Mill for the Holmes, Booth & Haydens Co., at Waterbury, Conn. The Iron Roof for this mill was designed and built by us. The building is 100 feet in width by 153 feet in length, with brick walls, iron roof trusses and iron purlins covered with corrugated iron. No woodwork is used about the construction of the mill either in the side walls or the roof, so that the danger from fire is entirely eliminated.

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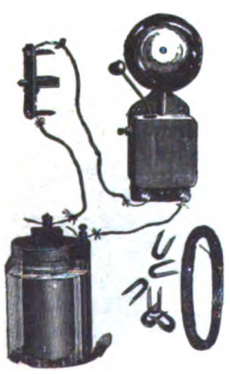
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Electrical House Goods

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BELL OUTFITS, PUSH BUTTONS, BATTERIES.

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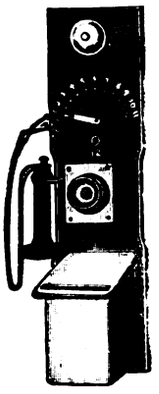
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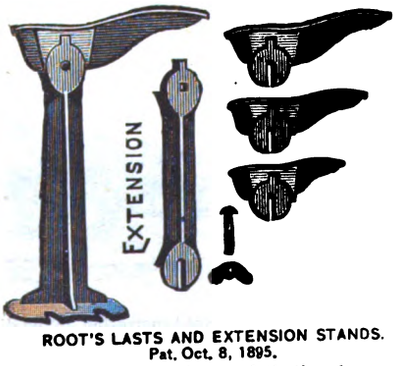
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Is the BEST on the market.

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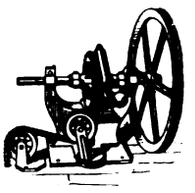
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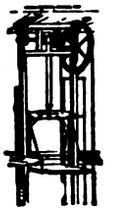
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Improved Quick and Easy Rising Steam, Electric and Hand Power

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Sample Outfit sent on receipt of **$2.00.**

A Household Necessity.

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THREE PAIRS OF HALF SOLES.

Securely Packed in wooden box with hinged lid. Weight 17 lbs.

No family can afford to be without one of these Outfits. Will pay for itself many times over each year.

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The Trade Supplied By Hardware Jobbers Generally,

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Sole Proprietors of the "Family Cobbler," the "Family Harness mender," the "Bonanza" Half Soles, etc.

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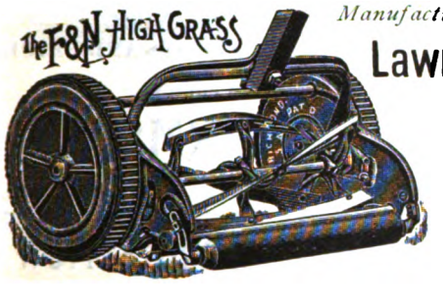
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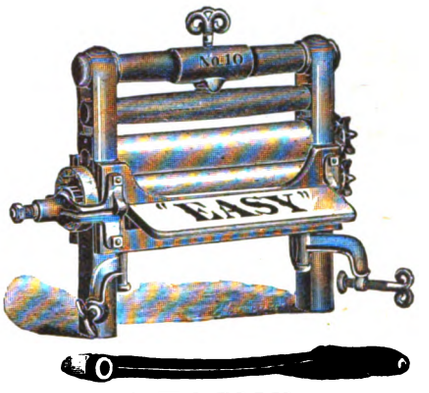
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Best Material, Latest Improvements, Highest Class Workmanship.

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"EASY" Clothes Wringer.

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Write for prices.

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MANUFACTURE THE BEST QUALITY LARGE FORKS FOR SPECIAL USE.

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TRY THEIR DIAMOND BRAND FORKS,

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Our Axtell W. Strip has 10 points of superiority **OVER ALL OTHERS.** Only strip **ADVERTISED** in this or any magazine. Has **MERIT**, that's why.

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Two Valuable Patents. One the Gokey Grinding and Calk Sharpening Machine. Money in this. Also three States for the Woodward Combination Carriage and Cradle. This also is No. 1. This is a great chance for smart man. Write for description and then hustle. Not often such a chance as the above.

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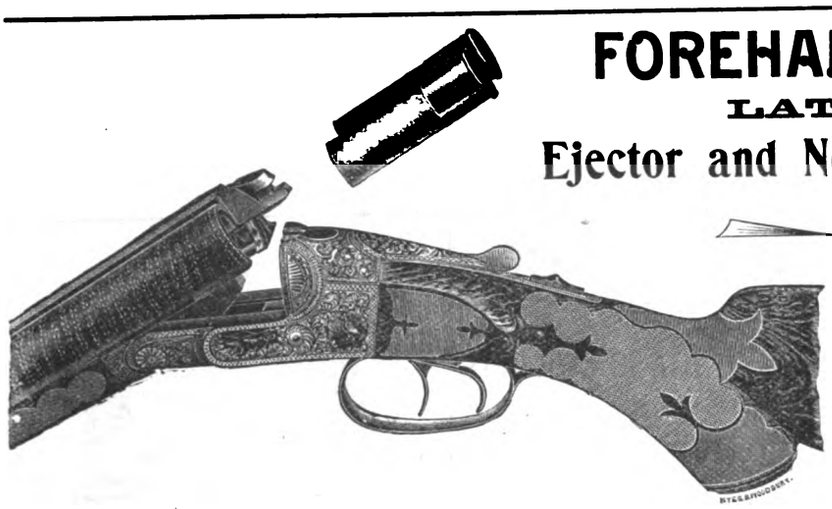
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IN BEAUTY, WORKMANSHIP,
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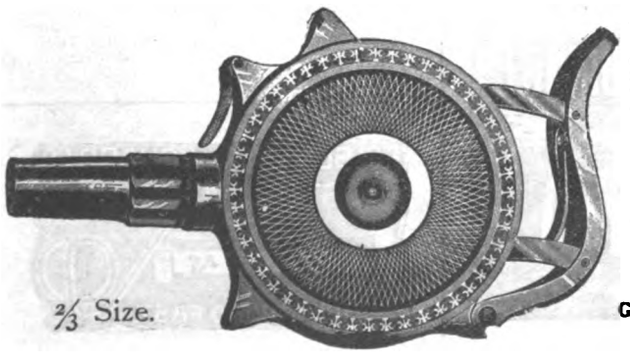
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Remington Bicycles are everywhere.

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2/3 Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

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No. 2, 2 50 "
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BEST AND CHEAPEST
STONE WATER FILTER
ON THE MARKET.
Tripoli Stone Block System.

Set up ready for use. There are two crocks, each of four gallons capacity—an upper one holding the Filter Block, and the lower one, which can be used as a water cooler if desired. This Block is four inches in diameter by the same in height, and is hollowed out on inside. This fits on a metal tube, which fastens by means of a nut to bottom of Filter Jar. Block can be lifted off tube, cleaned and replaced in two minutes, and with no trouble at all. Water passes from outside of block, through the walls, into the hollow chamber, and from thence, by the means of the Drip Tube, into the lower receptacle.



The Finest Piece of Salt Glazed Stoneware Ever Offered the Public.

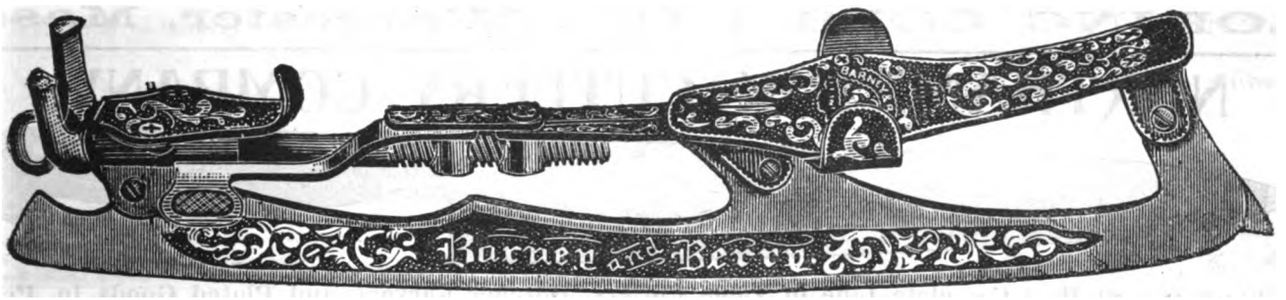
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ICE AND ROLLER
SKATES
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Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

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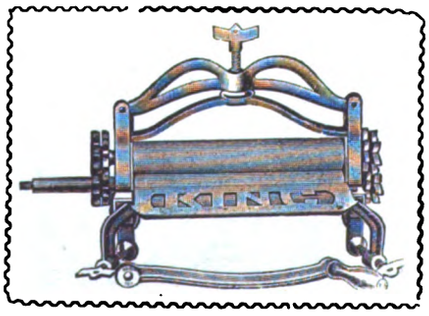
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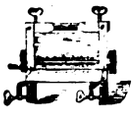
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HIGH GRADE, WARRANTED.







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SKATE GRINDING MACHINERY

WILL GRIND HARD SKATES OR SOFT.

IMPROVED FOOT POWER GRINDERS.

Prices Reduced.

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is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

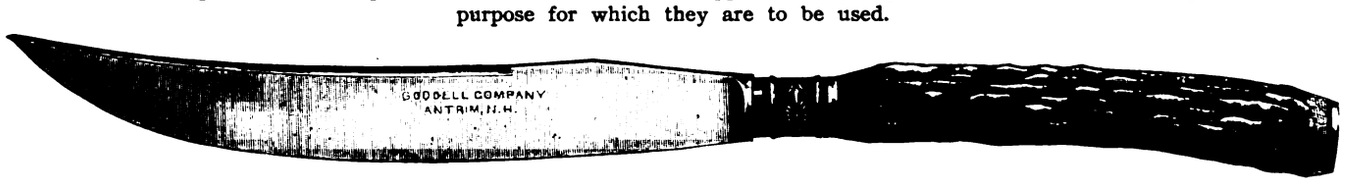
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ONE REASON WHY

Our business has grown out of all proportion to any other manufacturer of

CUTLERY IN THE U. S.

Is that while our goods are unsurpassed in finish and general appearance our special aim has been to adapt them to the purpose for which they are to be used.



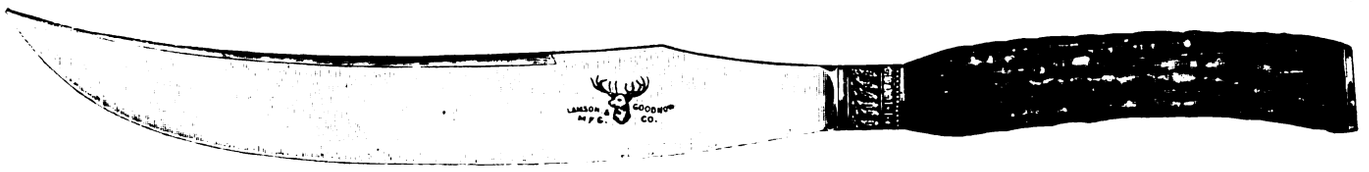
In the matter of Carvers, your customer wants a Knife to cut with as well as to look at. All our Carver blades are made from carefully tested Butcher Knife Steel. They take and hold a fine cutting edge.

We also make Table Knives, Butcher Knives, Shoe Knives in great variety. All fully Warranted.

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MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

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Power Clippers, both hand & mechanical.
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Barbers Adjustable,
The best made.

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"DUPLEX" WROUGHT BUTTS.

Double Thicknesses of Cold Rolled Steel and Wrought Bronze
STEEL PINS, BALL TIPS, STEEL BUSHED.

They are better than the ordinary kinds.

Manufactured only by

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THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST STEEL BROS.
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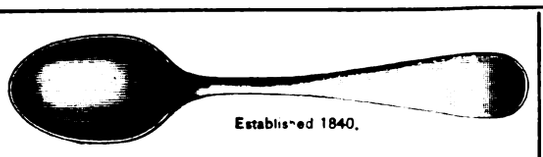
HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of

Silver Plated Ware

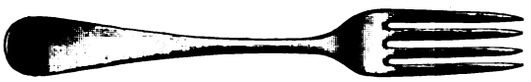
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Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.

No. 21. NICKEL SILVER SPOONS . . AND . . FORKS.

Are made of the very best grade Nickel Silver.

SPECIAL LIGHT WEIGHT.

PRICE LIST.		
TEA SPOONS,	per gro.,	$22.50
TABLE "	"	45.00
MEDIUM FORKS,	"	45.00



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MADE ONLY BY

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

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UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

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Oliver Ames & Sons' Steel Snow Shovels,

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Office, 35 Barclay Street. *Warehouse, 40 Park Place, New York.*

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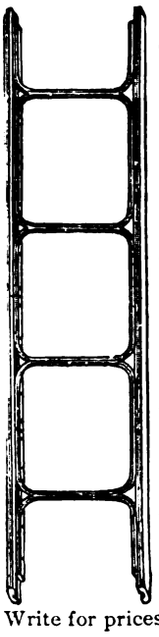
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Farming Tools sold for New York or factory shipments.

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You will buy the

Patent Bent Rung Ladder

They are the

Strongest and Lightest Ladder on Earth.

A six-foot single step ladder will carry 700 pounds, and a double step ladder 1,000 pounds. A boy can take down and put up a sixteen-foot extension ladder. A man can hold an eighteen-foot ladder out at arm's length in one hand. Our step ladders will not come apart or break. They are made to last forever.

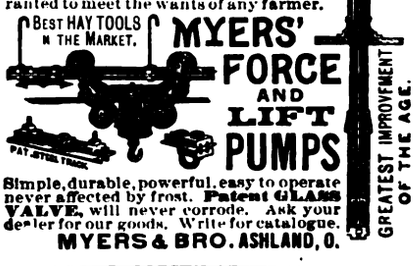
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TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



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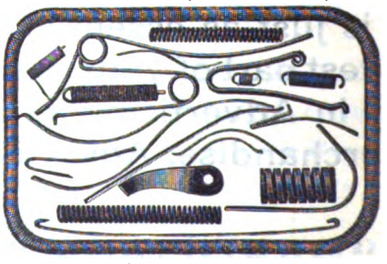
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Simple, durable, powerful, easy to operate never affected by frost. Patent GLASS VALVE, will never corrode. Ask your dealer for our goods. Write for catalogue.

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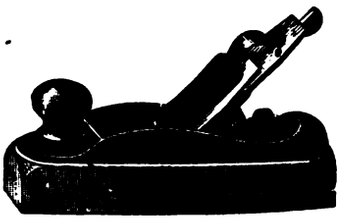
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The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

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Tailors' Shears, Trimmers, Scissors,
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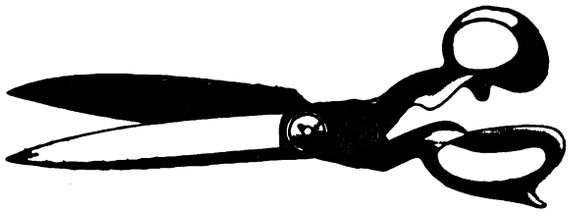
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They have the finest finish and a reputation that extends all over the world, and hence

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Write for Illustrated Catalogue of August, 1893, and discount.

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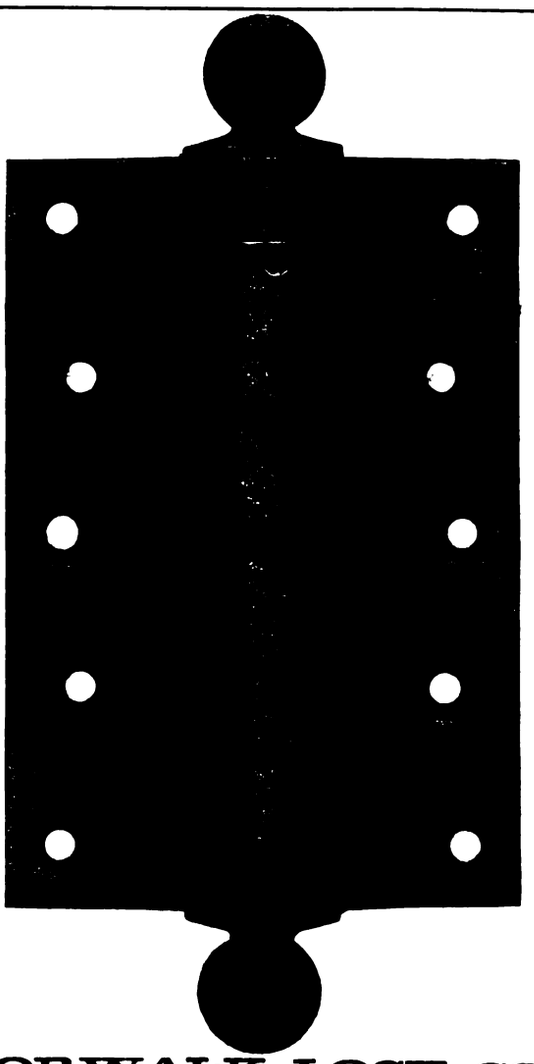
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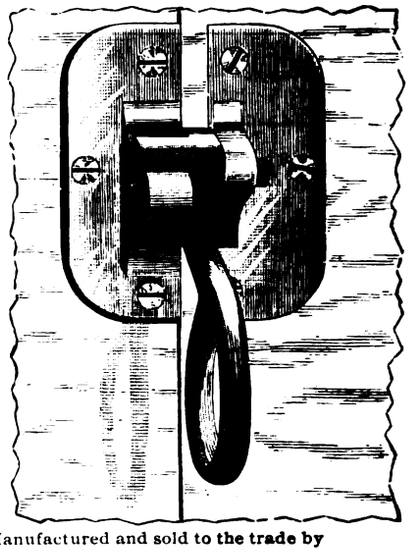
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THE OTHER 999 FELLOWS FAILED BECAUSE THEIR SHARPENERS DIDN'T SHARPEN. WE ARE THE 1000th TO TRY; BUT THE FIRST TO SUCCEED MAKING SHARPENERS THAT WILL SHARPEN.

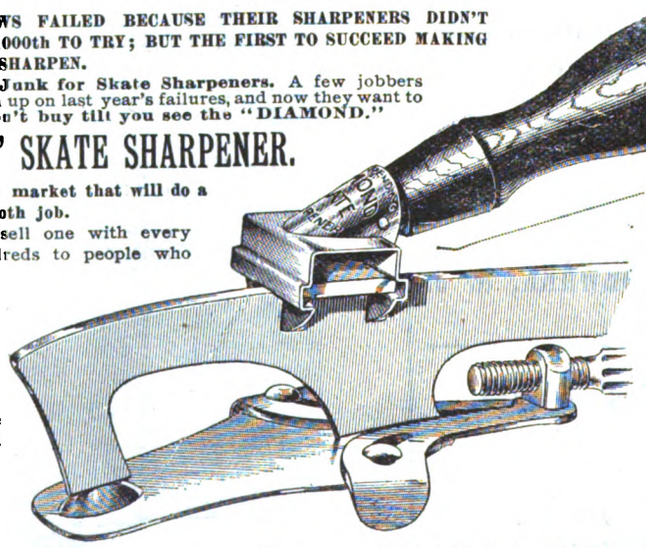
Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "DIAMOND."**

THE "DIAMOND" SKATE SHARPENER.

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HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.

All our Sharpeners are elegantly nickel-plated and packed one dozen in a box.



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Every Boy Sharpens his own Skates.

See that Pivot!

Fits the Curve of any Skate.

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The "Diamond" Knife Sharpener

Puts a **keen, lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.

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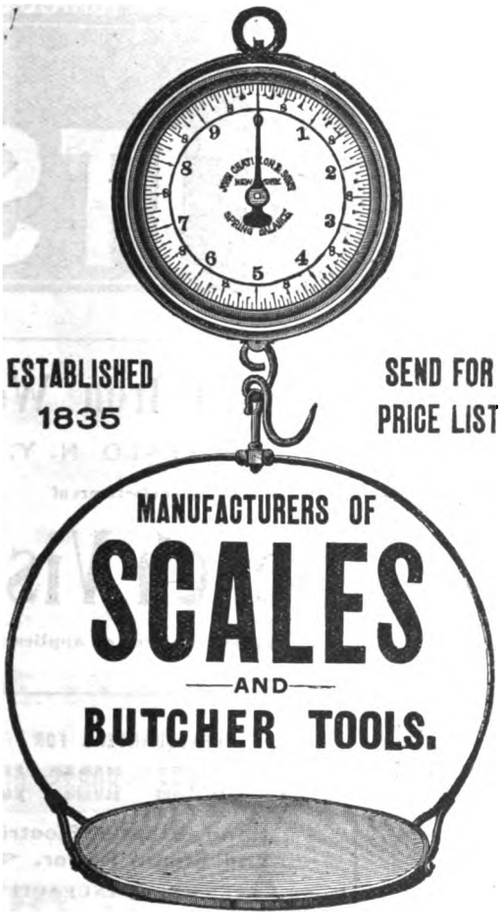
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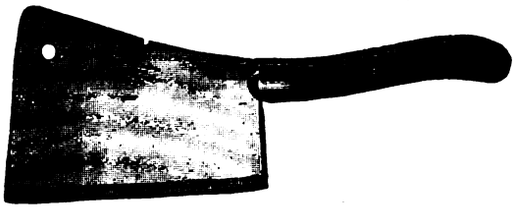
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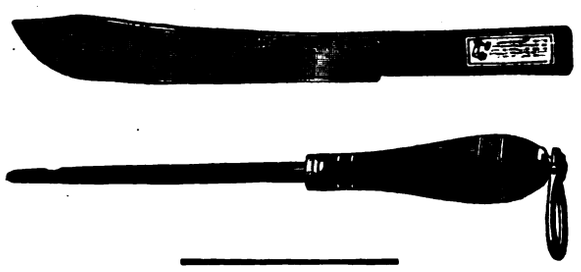
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Sheet Brass, Brass Wire, Brass Tubing.

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In Ingots, Sheets, Rods and Wire.

☞ This Metal can be Stamped, Drawn, Spun, Engraved, Burnished and Polished to the same extent as Brass or Silver, and by similar process It will not tarnish, and it weighs only about one-fourth as much as Silver. (Bulk for bulk.)

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Copper Bottoms
Copper Sheets and Circles
Copper Wire
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Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
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Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
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Pail Woods
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Spelter
Spelter Solder
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Stove Bolts
Stove Pipe
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Strainer Wire
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Taggers' Tin
Tin
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Tin Shingles
Tinned Tacks
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Tinners' Tools
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Manufacturers of

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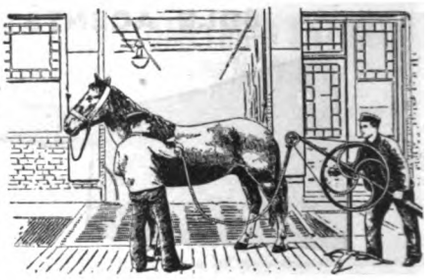
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THE CHEAPEST, STRONGEST, LIGHTEST

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The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

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The largest sales aggregating more than all others combined. Conceded to be the

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NO. 750.



PRICE $7.50.

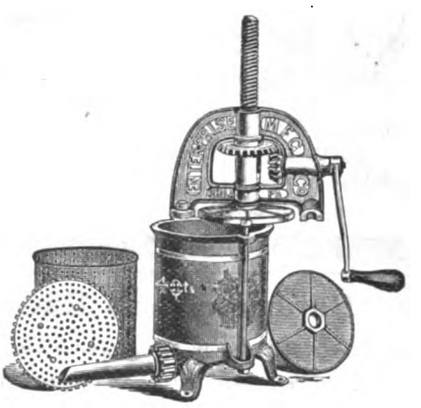
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. . . PRICE, $3.00.

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. . . . ALL THE LEADING JOBBING HOUSES SELL THEM. . . . .
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We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

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Art Metal Work
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BOSTON, 224 Franklin St.
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SAN FRANCISCO, Mills Bldg.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

HARDWARE SALESMAN.—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address BALTIMORE JOBBER, care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care HARDWARE, No. 143 Chambers Street, New York.

BY a prominent Hardware house, a first-class clerk who understands the builders' department, competent to take a leading position; good address and able to give the very highest references. Address "Builders' Department," care of W. B. Fox & Bro., No. 97 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

WANTED—Inside or outside position by young man; has had ten years' experience in wholesale builders' and general Hardware. Address CORBIN, care HARDWARE, No. 143 Chambers Street, New York City.

TRAVELER, sixteen years with one house and well acquainted with trade in New York, Pennsylvania, Ohio, Michigan and Canada, desires to hear of opening. T. M. W, care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a practical metal pattern maker in all its branches, wishes to make a change on or after the first of the year, a competent designer and chaser on ornamental work, with executive ability to take charge of shop. Address MECHANIC, care T. J. Murphy, No. 1168 Indiana Avenue, Chicago, Ill.

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A SITUATION in a Hardware house wanted by a youth of 18; five years' experience. Good reference. Address J. R. B., care HARDWARE, No. 143 Chambers Street, New York.

MIDDLE-AGED man, intelligent, sober and honest, desires situation at Hardware business; willing to be generally useful; thorough knowledge of New York City. Address M. L. BROPHY, No. 42 Perry Street, New York.

YOUNG man (33), thorough knowledge in builders' and general Hardware, cutlery and kindred lines, desires position with jobbing, wholesale or export house; well posted in prices and goods; first-class accountant; A1 references. C. L., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position in wholesale or extensive retail house, by young married man, with about ten years' experience in retail store. Will be ready March 1st. Iowa preferred. Am good mechanic, and expect to work. Address W. L. J., care HARDWARE, No. 143 Chambers Street, New York.

A LADY, two years of careful experience in a large retail Hardware store, general lines, wishes situation. City preferred. Will work two weeks on trial. Can assist in office work if desired Address MISS REOME, Warren, Ind.

YOUNG man, 27, desires position as Bookkeeper, correspondent, collector or salesman. Good references. Address J. C. H., P. O. Box 307, Newark, N. J.

POSITION wanted with large house by practical builders' Hardwareman (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa., Harriett & Kelly, East End.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

BY young man, 23 years of age, sixteen years' experience in Hardware, butchers' and grocers' supplies. Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

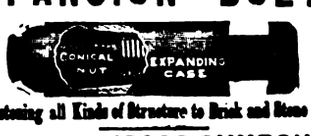
WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

WANTED a position as buyer of mill supplies and assistant manager of help with a manufacturer, by an American, 38, with sixteen years' practical experience. A1 references. Address "Buyer," care HARDWARE, No. 143 Chambers Street, New York City.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty-ninth Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue Toledo, O

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Situations Wanted.

HARDWARE salesman, sixteen years' experience, wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

YOUNG man, 30 years old, twelve years' experience as salesman, desires a position in the Hardware, cutlery and sporting goods lines, well-known to the New York and Eastern buyers; good testimonials. Address L. E., care HARDWARE, No. 143 Chambers Street, New York City

WANTED—A position by a young man as traveling salesman who has an established trade in the Middle Western States. Thorough knowledge of tin-plate, files and rasps, builders' Hardware. Salary or commission and expenses. Address "SALESMAN," HARDWARE, No. 143 Chambers Street, New York.

THOROUGHLY competent and experienced traveling salesman wishes to correspond with some Jobbing house that will recognize hard work and push. Correct habits and best of reference from present employers as to ability, integrity and business capacity. Address "Competent," care HARDWARE, No. 143 Chambers Street, New York City.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman, twelve years with present house, wants line table cutlery, house-furnishing goods, tinware, or A1 specialties, in connection with old line, for Michigan, Indiana and Ohio. Address M. I. & O., care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter house. Best of reference if required. Address W. S. BUCHANAN, Oakland P. O., Louisa County, Va.

GOOD selling specialties wanted to handle in western New England. F. E. WHEELER, No. 476 Main Street, Springfield, Mass.

WANTED by traveling salesman for a large Hardware house, a side line of pocket cutlery, scissors, etc., visiting New York towns and cities. Address L. K. Wadsworth, South Butler, Wayne County, N. Y.

Side Line Offered.

SALESMEN wanted on commission to handle as side line or otherwise a line of leather cup valves, cylinder and plunger valves for pumps, etc. Address GEORGE OBERNE & Co., No. 383-401 North Halsted Street, Chicago, Ill.

SALESMEN wanted to sell an article weighing two ounces to the Hardware, grocery, coal and other trades. Used in every house. Commission on each sale $2.50 and up. R. K. TELLER, Unadilla, N. Y.

WANTED—Profitable side line. Salesmen calling on Hardware trade can make big money for next two months. A strictly holiday specialty. Address QUADRUPED NOVELTY Co., Canton, Ohio.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

SALESMEN in every State wanted to take as a side line a patented article on commission. Goods sold at sight and are demanded by all classes. For particulars, address T. MFG. Co., Box 7, Malden, Mass.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co, Canton, Ohio.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

Hardware Store Wanted.

TO purchase a retail Hardware store with a moderate sized stock, having a good location in a live, growing town. Must have a good trade, and doing a good business. Address JOHN R. SWARTZ, Hughesville, Pa.

For Sale.

FOR SALE—The stock, fixtures and good-will of a Hardware store and bicycle business in a Western city of 60,000 inhabitants. Capital required, $20,000 to $25,000. All or part of the business will be sold. Address W. B., care HARDWARE, No. 143 Chambers Street, New York.

FOR SALE—In one of the best manufacturing towns in Ohio, a stock of Shelf and Builders Hardware, Paints, Oils, and Agricultural Implements; stock will invoice $17,000 to $19,000; clean and in good shape. Store does a business of $40,000 per annum. Apply to T. B. Rayl Co., Detroit, Mich.

For Sale or Rent.

A NEW, large manufacturing plant, hitherto used in manufacturing reapers and mowers, but well adapted to other uses; thoroughly equipped wtth machinery, tools and appliances of best modern make, all ready to steam up and run; at St. Louis Park, just outside of Minneapolis, Minn., with street car connections; the property being situated alongside of the Minneapolis & St. Louis, and Chicago, Milwaukee & St. Paul railroads with switch connections. For particulars address Geo. C. Squires, St. Paul, Minn.; C. F. Forster, 638 Rookery, Chicago, Ill., or John Little, Xenia, Ohio.

To Let.

A FIRST-CLASS modern style Mercantile Building, just finished, on Superior Street, Cleveland, Ohio; centrally located; suitable for Dry Goods, Furniture, Crockery, Hardware or other merchandise, specially adapted for a large Department Store. Also so arranged as to be subdivided and leased to two or three tenants. Building is 67x150 feet to another street; 8 stories above a high and well finished basement; floor space about 78,000 square feet; passenger and freight elevators; steam heating; electric lighting. For further information apply to J. G. W. COWLES, No. 140 The Arcade, Cleveland, Ohio.

A DESIRABLE office to rent with the Wilmot & Hobbs Mfg. Co., No. 2 Murray Street, New York. Steam, heat, electric light and telephone.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

To Manufacturers.

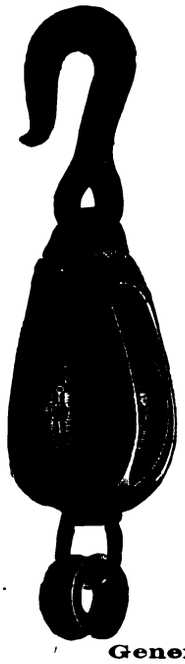
A HOUSE of nearly sixty years' standing, having travelers well covering the States, would be pleased to open correspondence with manufacturers of specialties suitable for the Hardware trade, with a view of coming to some mutual arrangement for marketing the same. Address F. S. S., P. O. Box 2522, New York City.

Quotations Wanted.

THE Mechanical Rubber Co. (successor to the Cleveland Rubber Co.), Cleveland, Ohio, wish quotations on Hose Fittings, Clamps, Bands, Reels, Specialties, etc., for the 1896 trade.

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THE
CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCKS ON EARTH.

UP TO DATE.

Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

General Agents:
Topping Bros., New York.
Boston & Lockport Block Co., Boston.
Woodward, Wight & Co., Ltd., New Orleans.
Miller, Sloss & Scott, Inc., San Francisco.



C.C.BROOK'S
LITTLE GIANT SCYTHES
ARE MADE OF THE BEST ENGLISH CRUCIBLE STEEL
ARE FREE FROM FLAWS, HARD ENOUGH AND NOT TOO HARD
MANUFACTURED ONLY BY THE NORTH WAYNE TOOL CO. HALLOWELL, MAINE.

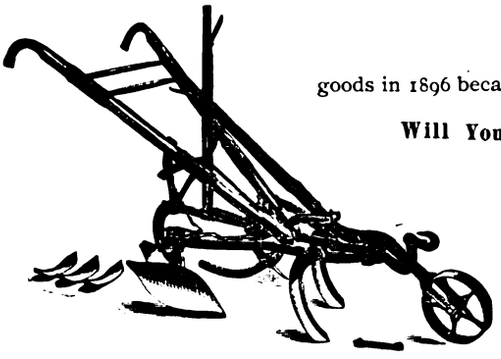
IMPROVED
Tack, Shoe and Wire Nail
MACHINERY,
KIMBAL BROS. & CO., Mfrs.,
Send for Prices. BROCKTON, MASS.

Would IT INTEREST You?

Well, we think so, for our 1896 Catalogue describes our full line of . . . . . Planet Jr.

Seed Drills, Wheel Hoes, Harrows and Cultivators,

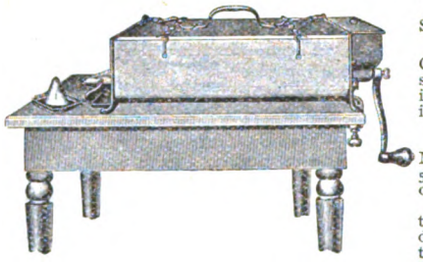
including several entirely NEW machines.



DEALERS will sell
PLANET JR.
goods in 1896 because it . . . . . PAYS.
Will You be One of Them?

S. L. Allen & Co.
MANUFACTURERS,
Philadelphia, - - - Pa.

Polar Star Instant Ice Cream Freezer.



A Marvel to all who behold it in operation.

Size, 21x7x7. Retail Price $3.50. Capacity unlimited.

It makes perfectly smooth ice cream with all milk. Cream added makes it somewhat richer, but not smoother. It makes very superior, smooth water ices, frozen fruits, frozen custards, sherbets, etc., and is a very simple, convenient and economical freezer.

No Gearing, cogs or fixings to get out of order.

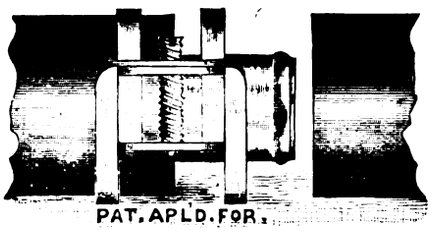
Noiseless in operation. A child can operate it. Makes a plate of ice cream in 30 seconds or a quart in 5 minutes. All other quick freezers merely SCRAPE it off a TIN CYLINDER, but do not BEAT IT or WORK IT.

Our Freezer **Mixes, Mashes, Pulls, Grinds** and **Whips** the cream more in **30 seconds** than any paddle freezer does in **30 minutes.** Dealers will do well to investigate this promptly. Correspondence solicited.

Manufactured solely by Polar Star Freezer Co.,

Send for particulars and discount. 235 LEVANT ST., PHILADELPHIA, PA.

THE DOUBLE CINCH
HOSE BAND AND MENDER.



In Mending one Band does the work of two of any other make.

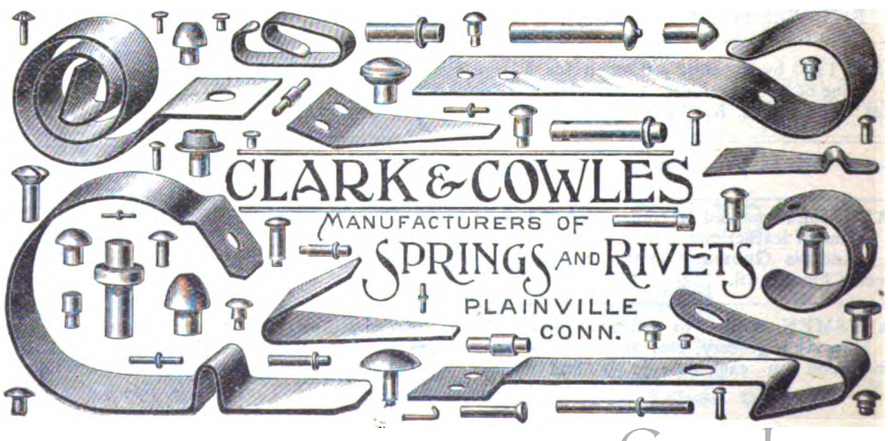
Bands unequalled for attaching Couplers, Nozzles and other Hose Fixtures.

Simplest and Best in the Market.

Water-tight, Durable, Light, Strong and easily put on—a knife and screw-driver being all the tools needed to mend a hose with this device.

The Mender Tube is seamless brass, easy to insert, gives a full opening, and does not rust.

Can be removed and replaced as many times as desired. The screw is never set by rust; it opens and closes the band, and is never detached or lost.
Ask for Catalogue and discount.
Order of your jobber, or of CLAYTON & LAMBERT MFG. CO.
YPSILANTI, MICH.



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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—$ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting.....15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge.....25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge.....33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890.40&10& 10@40&10&10&10& 5%

GUN WADS—$ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags $ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, $ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, $ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, $ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, $ bag.....$1.55
Buck and Chilled Shot, 5-lb bags, $ bag.....$ .35
Dust Shot, 25-lb bags, $ bag....$2.00
Dust Shot, 5-lb bags, $ bag.....$ .50

POWDER—
Laflin & Rand:

Rifle extra, kegs	25 lb	$2.25
	12½ lb	1.20
	6¼ lb	1.10
Rifle special, kegs	25 lb	4.25
	12½ lb	2.40
	6¼ lb	1.35
Creedmoor, kegs	6¼ lb	1.10
Ducking, kegs	6¼ lb	3.00

[For 1 00 lb lots 10% discount.]

Blasting and Mining, A.	25 lb	2.00
Blasting and Mining, B.		1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb.....1.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb.....3.75
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb.....1.65
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb.....95
"V. G. P." for Trap Shooting, in Kegs 25 lb.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb.....1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black.....1.70
Drum, equal in bulk to 10 lb, best black.....8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Animal Pokes—

R. W. Montross, Galien, Mich.:
Camp's Success.....$ doz. $3.80
Galien Safety.....$ doz. $3.75
Hartman's Pivot.....$ doz. $4.75

Anvils—

Eagle Anvils, $ lb 9c.....15@15&5%
Peter Wright's.....1@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....8@9½c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4.00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
12-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16		24-16
$10.00	$11.00	$12.00		$14.00

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist.....45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Ball hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....35&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, $ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2. $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..30%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....30&10&10%

GIMLET BITS—
Diamond $ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, $ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal.50&10&5@6(&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@40&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg $ gr.....$1.50@$1.55
Pat. Peg $ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. $ gr...$1.30@$1.40
Handled Brad, $ gr.....$2.50@$3 00
H'ld Scratch $ gr.....$4.00@$4.50
Socket Scratch $ doz....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 $ doz. $7.50; No. 20, $ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands.$5.25@5 50
First quality, other " $4.75@5.00
Beveled add 50c $ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½&5%
Lathing.....40&7½&5%
Warehouse.....40&7½&5%
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 lb. ....$ doz. 80c net.
Circular Spring Balances....50&10% No. 2000 20 30
Chatillon's $ doz. 75c 83c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%

Beef Shavers—

Enterprise.....25%

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's.....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...66⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.;
" Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..$ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....$ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 $ doz.....30%
Millers Falls $ doz. $4.50.....

Bit Holders—

Extension:
Millers Falls Barber's, $ doz. $15 40@40&10%
Ives' $ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..$ doz. $3..33⅓@33⅓&10%
Excelsior..$ doz. $10.00...50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls $ set $1.00.....20%
Austin & Eddy $ gro. sets.....$5.50
Gorhans Improved Star Tenon. $ gro. $1.00.....25%
Mackerell's, $ doz. $1.00..20@20&10%
Merriman's Brass Lever $ gr. $15.00
Merriman's Iron Lever $ gr...$9.00
Security Gravity $ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate $ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel ....60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &c.—
Com. Jan 30, '95.....65&12½&5%
Genuine Eagle, list Oct., '84...80&5@ 80&10%
Phila., Eagle, list $2.40.....60%
R. B. & W., old list.....70&10&2%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....67½%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....67½%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—
Stove.....67½%
Plow.....60&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....67½%

Bone Mills—

Enterprise.....20%

Boring Machines—

	Without Augers. Upright.	Angular.	
Douglass'	$5.50	$6.75	50%
Snell's. Rice's Pat.	5.50	6.75	40& 10&10%
Jennings'	5.50	6.75,	50@ 50&5%
Other Machines	2.25	2.50	net

Phillips' Patent with Augers.....7.00 7.50 ....
Millers Falls..... 7.50 .... 20%

Bow Pins—

Humason, Beckley & Co.'s.70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co.60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American.$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&7½%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....30@30&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.30@30&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....35@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....35%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....30&10@30&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze..30%

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5%
Fast Joint, Broad 50&10@50&10&10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned....75&10@80%
Loose Joint, Jap. with Acorns 75&10@8 %
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@7 &5%
Loose Pin, Acorns, Jap. 70&10@7 &5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....75&10@80%

WROUGHT STEEL—

List, April 1, 1895
Narrow, No. 800
Narrow, Loose Joint, No 802
Loose Joint, No. 806
Reversible, No. 804
Broad, No 808
Table, No. 810
Back Flaps, No. 814
Square Back Flaps, No. 816
Pew Door, No 818
Chest, No. 820
Reversible, with Steeple or Ball Tips, Nos. 822, 823
Light Reversible, with Ball Tips, No. 826
Extra Light, No. 826
Light Reversible, No. 834
Light Loose Joint, No. 836
Wardrobe, Ger. Pat. No. 837⅓
Light Narrow, No 838
Loose Pin, Light Nar., No. 840
Light Inside Blind, No 842
Light Inside Blind, Beveled Edge, No 843
Light Inside Blind, Loose Pin, No. 844
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846
Light Inside Shutter, No. 848
Parliament, with Steeple or Ball Tips, Nos. 828, 829
Parliament, No. 830
Light Parliament, No. 833

75&5@75&10%

Can Openers—

Messenger's Comet..⅌ doz $3.00. 25%
American.....⅌ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ⅌ gr. $12.00. ...25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, iron Handle.⅌ gr....$2.20@2.25
Eureka.....⅌ doz. $3.50.....10%
Sardine Scissors...⅌ doz. $2.75@3.00
Dunlap's Sardine Scissors, ⅌ doz. $5.00....25%
Star.....⅌ doz. $2.75
New Sprague, Metallic Handles, ⅌ doz.....50c
New Sprague, Wood Handles, ⅌ doz.....60c
World's Best, ⅌ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ⅌ gr $9.00
Goodell's Acme, ⅌ gr. $8.00; ⅌doz.75c
Universal, ⅌ doz. $3.00.....55&5%
Domestic, ⅌ doz. $2.00.....45%
Champion, ⅌ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ⅌ gro $7.00.....50%
Kohler's Cyclone.....⅌ doz. 75c
Kohler's Lightning.....⅌ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@25%
Cotton.....2 @25%
Wool.....2 @25%

Carpet Stretchers—

Cast Steel, Polished.....⅌ doz. $2.25
Cast Iron, Steel Points.⅌ doz.75@80c
Bullard's.....35&10@40%
Dunlap's.....25¢
Excelsior.....25%
Socket.....⅌ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....⅌ doz. $36.00
Gold Medal.....⅌ doz. $27.00
Prize.....⅌ doz. $27.00
Premier.....⅌ doz. $27.00
Superior.....⅌ doz. $27.00
Cosmopolitan.....⅌ doz. $27.00
Furniture Protector, Japanned.....⅌ doz. $34.00
Furniture Protector, Nickel.....⅌ doz. $37.00
Inter Ocean.....⅌ doz. $37 00
Hall.....⅌ doz. $48.00
Crown Jewel, japan finish, ⅌ doz $19.00
Crown Jewel, silver bronze trimmings, ⅌ doz.....$20.00
Crown Jewel, nickel trimmings ⅌ doz.....$21.00
Excelsior.....⅌ doz. $22.00
Garland.....⅌ doz. $18.00
Grand Rapids, Jap...⅌ doz. $24.00
Grand Rapids, Nick..⅌ doz. $27.00
Housewife's Delight..⅌ doz. $15.00
Improved Parlor Queen Japanned.....⅌ doz. $24.00
Improved Parlor Queen Nickeled.....⅌ doz. $27.00
Standard.....⅌ doz. $24.00

Bissell Carpet Sweeper Co. make the following rebates: $1.00 ⅌ doz. in 5 doz. lots, $2.00 ⅌ doz. in 10 doz. lots.

Casters—

Bed, Plate, Shallow Socket. } 60&10@60&10&10%
Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....60%
Yale Gem.....70&10%
Giant Truck Casters.....35%
Stationary Truck Casters.....50&10%
Socket Truck Casters..45&10@15&10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screw Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%

COW TIES—

American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

American Coil, in cask lots at fact

3-16	¼	5-16	⅜	7-16	½	⅝	¾
$6.75	8.00	4.00	3.75	3.50	3.40	3.30	3.15

Less than cask lots, add ½c @ ½c ⅌ lb.

Trace, Wagon and Fancy Chains, 60&10&10 @70%
Covert Mfg. Co.....45%
German Coil.....70@70&10%
German Halter Chain.....70@70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....40&2%
Covert's Heel Chains.....45&3%
Covert Mfg. Co. Chains.....45%
Galvanized Pump Chain, with Buckets.....6¼@6½%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

P. S. & W., New Haven, Witherby, Mix } 80&5@80&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
Jennings & Griffin Mfg. Co.....60%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to $
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ⅌ lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each $3.00.....30%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....50%
Skinner's Pat. Comb. Chuck.....40%
Drill.....3%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 50&10%
Carriage Makers', Sargent's..50& 10@50&10&5%
Carriage Makers' P. S. & W. Co. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .... 2 & 10%

Cleavers—

Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse). 3.00

25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10& 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's 33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson .....⅌ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N R. G. Gloves...⅌ doz. $12.00
No. 025 Gloves.....⅌ doz. 4.50
No. 125 Gloves.....⅌ doz. 6.00
No. 151 Gloves.....⅌ doz. 9 00
No. 355 Gloves.....⅌ doz. 8.01
No. 546 Gloves.....⅌ doz. 9.00
No. 152 Gloves.....⅌ doz. 7.50
No. 142 Gloves.....⅌ doz. 7.00
No. 138 Gloves.....⅌ doz. 6.00
No. 052 Gloves.....⅌ doz. 3.00
No. 147 Gloves.....⅌ doz. 4.50
Wrist Supporters.....⅌ doz. .75
No. 160 Husking Pin..⅌ gro. 7.00
No. 165 Husking Pin..⅌ gro. 10 50
No. 170 Husking Pin..⅌ doz. 2.00
Hubbard's Solid Steel.⅌ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ⅌ doz. $2.00; E, $1.75.....6%
Wrist Supporters.....⅌ doz. 75c
Mittens.....⅌ doz. $1.50
Ashtabula.....⅌ gro. $2.50
Brinkerhoffs.....⅌ gro. $15.00
Buckeye.....⅌ gro. $4.00
Cleveland.....⅌ gro. $7.50
Johnson's.....⅌ gro. $6.50
Universal.....⅌ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....35@35&10%

Counter Sinks—

Adjustable.....30%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's
Eclipse.....⅌ gro. $3.75
Emerald.....⅌ gro. 5.00
Oriole.....⅌ gro. 5.00
Rainbow.....⅌ gro. 2.51
Solid.....⅌ gro. 7.50

Curry Combs—

Spring, Jap'd ⅌ doz $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber, ⅌ doz. $7.50.....20⅌10%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....⅌ doz. $1.75
F. E. Kohler & Co.'s Humane ⅌ doz. $1.60
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5 $1.00 $1.13 $1.25
5½ 6 7 inches $1.38 $1.50 $2.00, dos.....40&10%
Nickeled Shank 4 4½ $1.25 $1.43 $1.60
5½ 6 7 inches $1.75 $1.85 $2.25, dos.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)..50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....30%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

SPARK COIL—

Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan. 1892.....33⅓%

Door Springs—

Torrey's Rod, 30 in, ⅌ doz $1.25@1.35
Spiral Rod ⅌ gr., $20.00.....20%
Wright's.....55@55&5%
Grant (Coil), list April 19, 1895..25&10%
Star (Coil), list April 19, 1895.20&10 &10%
Foster's (Coil).....20%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ⅌ doz, $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ⅌ doz. $5.50. 66⅔@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby, Jennings & Griffin, P. S. & W., Mix, New Haven } 80@80&10%
Merrill.....60&10@70&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White.....25&5@35%
Bradley's.....35%
Adjustable Handle.....35@33⅓%
Wilkinson's Folding.....35@35&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1.75
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $3.00..25%
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Ratchet, Merrill's.....30@30&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....20@30&5%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....30@35%
Ratchet, Moore's Triple Act.35@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1.85
Stearns' Bench.....50@50&10%

TWIST DRILLS -
See Augers and Bits.

Egg Beaters—

National.....₩ gro $1.50
Paine, Diehl & Co.'s Keystone..33⅓%
Dover (Standard Co.)....₩ gro $9.50
Dover Extra Heavy (Standard Co.) ₩ doz $2.50

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, FF.
Kegs, ₩ lb.	4½c	5c	3c
½ kegs, ₩ lb.	4½c	5½c	3½c
¼ kegs, ₩ lb.	5c	5½c	3½c
10 lb cans, 10 in case....	6c	6½c	5½c
10 lb cans, less than 10..	10c	10c	8c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....70%

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—

John Sommer's Peerless Tin Key.40%
John Sommer's Rose Tin Key..5 %
John Sommer's No Brand Metal Key.....6 %
John Sommer's W. P. Metal Key.4 %
John Sommer's Diamond Lock..40%
John Sommer's K. X. L. Cork Lined.....50%
John Sommer's Reliable Cork Lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Choice Cork lined.....60%
John Sommer's O. K. Cork Lined 50%
John Sommer's Perfection Cedar. 1%
John Sommer's Cedar (in bbls.) 50 & 1%
Bohren's Pat. Rubber Ball.. .....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt....	$3.00	$3.50	$4.00
Dairy Pails, 14 qt.....	3.30	3.80	4.30
Fire Pails, 14 qt., stencilled "fire.....	3.40		
Prison Pails, 16 qt. (with cover).....	6.50		
Buggy Pails, 7 in. high.	2.60		
Sugar Pails, with cover	4.50	5.00	
Horse Pails (short, wide and heavy).....	3.70		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt....	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.....	4 50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc)...	1.40	1.70	2.00
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2.00
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls.....	2.30	2.90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00
Pitchers, 10½ in. high..	4.00	4.70	5.20
Milk Pans.....	1.50	2.00	2.20
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11½ inch.....	2.30	2.90	3.10
Waste Paper Jars.....	3.00	4.00	4.50
Mats, 8½ inch (for table use)	.90	1.00	1.20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.80
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.80	6.50	7.00
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Peck Measures.....	2.80		
Half Peck Measures...	2.50		

Files—

DOMESTIC—

Best Brands.....60&10&10@70%
Good Brands.....70&5@75%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&5&10%

IMPORTED—

Stubs.....Stubs' list, 25&30%

Filters—

Seed's Water Filters: A 1, No. 2, No. 3, No. 4, $4.50 $3.00 $1.75 $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (80c base).....10%

Fluting Scissors—

List.....45%

Forks—

Hay, Manure, &c., Asso. List....75%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65%
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—

Standard List:

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20.....
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....25%
Wire, Brown & Sharpe's.....10@30%
Stubs' Wire and Drill..... 20%
Copeland Champion Bit ₩ doz $3.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₩ gro....$4.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid.....25@30%

Glue Pots—

Tinned.....50@50&10%
Enameled.....60@50&10%
Family, Howe's "Eureka".....40%
Family, L. F. C.'s "Handy".....50%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P., S. & W. Co.....50&10&10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters.....33⅓%
Web and Rope Halters...33⅓&5%
Horse and Cattle Ties.....33⅓&5%
Upson & Wooding.....40%

Halter Leads—

Covert Mfg. Co.....45%

Hammers—

HANDLED HAMMERS—

Maydole's.....25&1 @25&10&10
Buffalo Hammer Co.... Humason & Beckley... Atha Tool Co..... } 50&10@60%
C. Hammond & Son. List..40&10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₩ doz..... Nos. 1, $3; 2, $6..... .....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₩ lb 40c
3 to 5 lb.....₩ lb 35c } 75@75&5%
Over 5 lb.....₩ lb 30c
Wilkinson's Smiths...10c@10½c₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.08	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@ 50&10&10%
Roggin's Latches ₩ doz.....35c@30c

STORE DOOR HANDLES.—

Japanned Nuts.....$1.62
Bronzed.....60&10@60%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—

Sargent's List.....60%
Bank Door.....60&10%
Plain B. M.....60%
Bar.....60&10%
Push Plates, Sargent's List.....60%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....60%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....50&5%
Brad Awl.....₩ gr. $2.00
Hickory Firmer Chisel, as ₩ gr 6.50 " Firmer Chisel, large ₩ gr 6.00 } 50@50&10%
Apple Firmer Chisel, as.. ₩ gr 6.00 Apple Firmer Chisel, large ₩ gr 6.00 } 50@50&10%
Socket Firmer Chisel, as. ₩ gr 6.00 } 50@50&10%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75
Auger, assorted...₩ gr 5.00 } 50%
Auger, large.....₩ gr 7.00
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.35
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.60&10@60& 10&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $3....60%

Hangers—

Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....25%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.. .....70%
Cheritree.....50&10%
Kidder's.....30@30&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction.60&10@60&10&5%
Duplex (Wood Track).....60&10&5%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's M dern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10 &10%
Munger Hanger.....20&10%
Davis Parlor Door.....50@50&5%
Cronk's Steel cov'd Anti-Frict...60%
Cronk's Acme, Flat Steel ₩ doz. $7.00.....75%
Queen City Reversible...75&10&5%
Felix, ₩ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....50@50&5%
Rider & Wooster, No. 1, 66¾c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....60&5@60&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....50%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning, from jobbers.$6.50@$7.50
Gem.....₩ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T.....80@80&10%
Corrugated Strap and T..80@80&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. { 6 to 12 in., ₩ lb 3 c; 14 to 20 in., ₩ lb 2½c; 22 to 36 in., ₩ lb 3 c
Rolled Blind Hinges Nos. 23 and 24 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....60&10&10%
Plate Hinges "Providence" 6 to 12 in. ₩ lb, 5c. 14 to 36 in. ₩ lb, 4c.

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....60%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Kell's American.....30%
Union Spring Hinge Co.'s list, March, 1895.....30%
Acme.....30%
American.....30%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.0
New Idea, No. 1, ₩ gro.....$12
New Idea, No. 2, ₩ gro.....$24.
Hero and Monarch.....55%
American, Gem and Star.....30%
Oxford.....30%
Barker's Double Acting.....25%
Union Mfg. Co.....25%
Bommer's.....25%
Buckman's.....25%
Chicago.....30%
Wiles' No. 1, ₩ gr., $15.00; No. 2, $12 00
Devore's No. 1.....₩ gr. $13.00
Rax.....₩ gr. $13.00
Royal Japanned.....60%
Royal Bronze.....45%
Reliable.....60%
Champion.....60%
Matchless No. 10.....70%
Victor.....₩ gr. $10.00
Torrey.....30%
Rubber.....60%

GATE HINGES—

Western, ₩ doz $4.20, 60&10@60&10 &5%
N. E...₩ doz $7.80, 60&10@60&10&5%
N. E. Reversible..₩ doz $5.80, 60& 10@60&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..₩ doz $4.90, 60&10@60 &10&5%
Automatic.....₩ doz $13.50, 30%
Kell's Superior.....20%
Common Sense..₩ doz pair $4.80, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3. 60&10@60&10 &5%
Sargents.....60%
Reed's Latch and Hinges..₩ doz $13.00, 60%
Long's Self Closing.....50%

BLIND HINGES—

Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&5%

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Nicholson ..... 45&10%
Huffer ..... 60&10@65&10&10%
Clark's Nos. 1, 3, 5, 40 and 50. 75&10&5%
Clark's Mortise Gravity 50%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75&10%
Shepard's:
Noiseless ..... 75&10%
Niagara 80%
Buffalo ..... 80&5%
Clark's Genuine Pattern 80%
O. S. Lull & Porter ..... 75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3 ..... 75&10&2½%

Hitching Cords—

Covert Mfg. Co 45%

Hoes—

HANDLED—
Garden, Mortar, &c ..... 75&30%
Planter's Cotton, &c ..... 80&20%
Warren Hoe ..... 60&10%
Magic ..... ₩ doz $4.00
Dunlap's:
Boys' ..... 80&10%
Ladies' ..... 80&10%
Toy ..... 80&10%

EYE—
D. & H. Scovil 20%
American Axe & Tool Co 70%
Lane's Crescent Planters Pat. .45&5%
Lane's Razor Blade, Scovil Pat. 30&5%
Maynard, S. & O. Pat ..... 45&5%
Sandusky Tool Co., S. & O. Pat 70%
Hubbard & Co., S. & O. Pat. 60&5@60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub 70%

Hollow Ware—

IRON—
Stove Hollow-ware:
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Maslin Kettles ..... 75&10@80%
Boilers and Saucepans .. 60@60&10%
Tinned Boilers and Saucepans, 60@60&10%
Granite and Agate-Ware ..... 40&10%
Ironclad Enameled-Ware ..... 60&10%
Rustless Hollow-Ware ..... 50@50&5%
Triumph Broilers 50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton ..... 40@40&5%
Meriden Britannia Co ..... 40&15%
Simpson, Hall, Miller & Co. 40&15&5%
Rogers & Brother ..... 40&15%
Hartford Silver-Plate Co ..... 40&5&2½%
William Rogers Mfg. Co ..... 40&15&5%

Hooks—

CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading ....
Clothes Line, Sargent's list. } 60&10&10@70%
5. &10%
Williamson Bird Cage, new list .. 40%
Ceiling, Sargent's list ..... 50&10%
Harness, Rg. list ..... 70@70&5%
Coat and Hat, Sargent's list .. 50&10%
Coat and Hat, Reading, 60&10@60&10&10%
Coat and Hat, Moore's 70%
Wardrobe 55%
Screw Hat 70%
Chandelier 70%
Lamp 55%
Screw ..... 80&10&10%
Picture 75%
Cup 75%
Safety Gate 60%

WROUGHT IRON—
Cotton ..... ₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works 30%
Tassel and Picture (T. & S. Mfg. Co.) 75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz 60c

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00 ..... 40%
Enterprise 33⅓%

WIRE—
Atlas Coat and Hat ..... 40@40&10%
Wire Coat and Hat, Gem, list April, 1886 ..... 70%
Wire Coat and Hat, "Cres't" .60&10%
Wire Coat and Hat, Miles', list April, 1886 ..... 50@50&10%
Indestructible Coat and Hat 45%
Wire Coat and Hat, Standard 45%
Wire Drive 60%
Belt ..... 80&10@80&20%
Handy Coat and Hat ..... 60@60&10%
Steady Celling ..... 60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—
Dunlap's Merchandise 25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25 Bush ..... 55@50%
Wnifletree—Premium 60%
Hooks and Eyes—Mal. Iron ..... 70&10%
Hooks and Eyes—Brass ..... 60&10&10%
Moores' Clothes Line 70%
Moores' Harness 70%
Moores' Hotel & School House 70%
Wm. Johnson's Cotton, Box and Hay 60

Horse Nails—

	Nos. 6	7	8	9	10
Putnam	23c	21c	20c	19c	18c 15%
American	9½	9½	9½	9½	9½ ..... net

Ausable ..... 28c 26c 25c 24c 23c. 40&5&2%
Clinton Fin. 19c 17c 16c 15c 14c .. 30&5%
Essex ..... 28c 26c 25c 24c 23c. 40&10@50%
Lyra ..... 9½c 9½c 9½c 9½c 9½c., net
Snowden ..... 9½c 9½c 9½c 9½c 9½c., net
Vulcan ..... 23c 21c 20c 19c 18c 25%
Northw't'n. 25c 23c 22c 21c 20c. 25@25&5%
A. C ..... 25c 23c 22c 21c 21c. 40&10%
C. B. K 25c 23c 22c 21c. 21c 40%
Maud S ..... 25c 23c 22c 21c. 21c 50&10&5%
Champlain. 28c 26c 25c 24c 23c 40&5&2%
Saranac ..... 23c 21c 20c 19c 18c .. 40&5%
Champion. 28c 26c 25c 21c 20c. 40&5&2%
Capewell ... 19c 18c 17c 16c 16c .. 10&5%
Anchor ..... 23c 21c 20c 19c 18c 35%
Western ..... 23c 21c 20c 19c 16c 50%
Empire Bronzed ..... 10@10½c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co 45%

Hose, Rubber—

Boston Belting Co.:
"Imperial" ..... 30&5%
"Boston" ..... 50&10&5%
Competition ..... 75@75&10%
Standard ..... 70&10@70&10&5%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%

Ice Chippers, &c.—

Dunlap's No. 1 ..... $3.50 per doz 20%
Dunlap's No. 20 .... $12.00 per doz 20%
Crown ..... $6.00 per doz 25%
Star ..... $3.00 per doz 25%
Gem Ice Shave ..... $6.00 per doz 25%
Copeland Ice Pick .... ₩ gr $9.00 net
Wm. T. Wood Ice Tools ..... 50&10%
Sargent's Ice Awls 55%

Jack Screws—

See Screws.

Kettles—

Spun Plain Brass ..... 25&5%
Spun Brass, plated inside with White Metal ..... 20&5%
Stamped Brass Kettles, ₩ lb 19@20%

Keys—

Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad ..... 40&2%
Eagle Lock Co's. Cabinet &c. 33⅓&2%
Lock Asso'n List Dec. 30, 1886. 50&10@60&5%
Hotchkiss' Brass Blanks 40%
Hotchkiss' Copper and Tinned ... 40%
Hotchkiss' Pad and Cab 35%
Ratchet Bed Keys .... ₩ doz $4.00, 15%
Wollensak Tinned ..... 50&10%

Knives—

Goodell's Butcher 25%
Wilson's Butcher Knives 25%
Ames' Butcher Knives .... 25@25&10%
Foster Bros.' Butcher, &c 40%
Nichols' Butcher Knives 50%
Cigar Knives ..... ₩ doz. 85 @ $1.15
Ames' Shoe Knives ..... 25@ 0%
Goodell's Shoe Knives 40%
Goodell's Bread Knives Ass'n list. net
New England Specialty Mincing Knives 50%
Pocket Knives 50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier 25%
Seconds 40%
F. E. Woodworth & Co ..... 50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread .. 25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives ..... List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal 50%

Knobs—

Door Mineral ..... 55@60%
Door Por. Jap'd ..... 65@70%
Door Por. Nickel ..... .$1.75@2.00
Door Por. Plated, Nickel .. $1.75@2.00
Drawer, Porcelain. 60&10@60&10&10%
Hemacite Door Knobs .... 40&10@50%
Yale & Towne Wood, list Dec. '86. 40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890 ..... 50&10%
Bardsley's Wood Door, Shutter and Base 15%
Keil's Bronze ..... net
Base, Rubber Tip ..... 70&10&5%
Picture, Judd's ..... 60&10&10@70%
Picture, Sargent's ..... 70&10%
Picture, Hemacite ..... 35&5%
Shutter, Porcelain ..... 70@70&10%
Shutter, Bronzed 60%
Carriage, Jap ..... ₩ gro. 80c, 60&10%

Ladles, Melting—

Sargent's ..... 60&10@60&10&5%
Monroe's Pat ..... ₩ doz $4.00, 40%
P. S. & W ..... 35&10@40%
Warner's 30%

Lawn Mowers—

New Easy ..... @60&10&60&10&10%
Enterprise 40%
Standard ..... 60&5%
Imperial ..... 60&10&10%
New York ..... 60&5%

Genuine Philadelphia Mowers:
Styles, D., D. O. W., M., S., T., C. K. L., and B. Self-adjusting. 70&10%
Styles A., and E ..... 60&10%
Champion ..... 75&10%
Sunbeam ..... 60&10%
Pennsylvania ..... 60&10%
Continental ..... 60&10%
Great American ..... 70&10%
Rapid Transit ..... 70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—

Enterprise 25%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler:
No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00 .40%
No. 4, $7.00 each ..... 33⅓&5%

Lemon Squeezers—

Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 20&10%
Jennings' Star ..... ₩ oz. $2.25
The Boss ..... ₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $8.35 3, $1.65; Queen $3.50 net
Little Giant ..... 50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40 ..... 20%

Letter Box Plates—

Sargent's ..... 60&10&10%
Name Plate ..... 60&10%
Name Door Plate 50%
Number Door Plate 50%

Levels—

C. E. Jennings & Co.'s:
Hexagon 25%
Iron Bench, new design 25%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's. 50%
Cotton Chalk 55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50 ..... 10%
Hoffman Corkran 23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro 30%
Mason's Linen 33⅓%
Mason's Colored Cotton 40%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 20%

Locks—

DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list August 15, 1895 ..... 60&10 net
Mallory, Wheeler & Co., list July, '88 ..... 60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94 .. 60&10@60&10&10%
Branford Lock Co ..... net prices
Norwich Lock Mfg. Co ..... 55&5%
Craig Combination ..... net prices.
Brittan, Granam & Mathes, net prices.
Champion Night Latches 40%
Plate 33⅓%
Barnes Mfg Co ..... 40@40&10%
Yale ..... net prices
Delta Flat Key 30%
Romer's Night Latches ..... 20&5%
Brooklyn Latches ..... 50&10%
Shepardson or U. S 35%

CABINET—
Cabinet Locks ..... 60&10@70%
Eagle Lock Co ..... 25&10%
Charles Parker Co ..... 33⅓&2%
Dietz, Nos. 29 to 30 ..... 40%
Dietz, Nos. 41 to 78 ..... 45%
Dietz, Nos. 87 to 96 ..... 30%
Stoddard Lock Co ..... 30@33⅓%
Yale ..... net prices
Romer's 25%
Barnes Mfg. Co ..... 40@40&10%

PADLOCKS—
Wrought Iron ..... 70&10@80%
Gem. Corbin Cabinet Lock Co. 40&2%
Eagle 40%
Eureka, Eagle Lock Co ..... 40&2%
Yale Lock Co ..... net prices
Romer's Nos. 0 to 5 ..... 40&5%
Scandinavian ..... 90&40@90&40&10%
A. E. Deitz 40%
Champion Padlocks 40%
Hotchkiss 30%
Star ..... 60&10%
Horseshoe, ₩ doz. $9.00 .. 50@50&10%
Barnes Mfg. Co ..... 50@50&10%
Nook's ..... 30&10%
Brown's Pat ..... 20&10%
Scandinavian ..... 90&10%
Fraim's Keystone Scandinavian
Nos. 1010 line ..... 90&50%
Nos. 120 line ..... 90&25%
Nos. 109 line 65%
Nos. 225, 610 ..... 75%
Nos. 510 line ..... 70&10%
Other numbers ..... 50&5%
Ames Sword Co. up to No. 108, inclusive 50%
Ames Sword Co. above No. 108, 50&10%
Acme Bicycle and Satchel per doz. $9.00 ..... 33⅓%
Smith & Egge Bicycle 50%
Slaymaker, Barry Co.'s:
No. 21 to 712 ..... net
Cast Key, Scandinavian Locks 40&10%
Flat Steel Key, Scandinavian Locks ..... net
Self - Locking Scandinavian Locks ..... net
Bicycle Locks 35%
R. R. Switch and Car Door Locks ..... net
Dog Collar Locks ..... 4 %
All other Padlocks ..... net
Night Latches ..... net

Mallets—

Hickory ..... 20&10@40%
Lignumvitæ ..... 20&10@40%
Raw-Hide ..... 40&10%

Mattocks—

Regular list ..... 70&10@75%

Meat Cutters—

Dixon's ..... ₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ₩ doz 33⅓%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz ..... 70@70&5%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American 30%

Nos.	1	2	3	4	5	5
Each	$5	$7	$10	$25	$50	$60

Perfection 40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise ..... 25&20%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz. ..... 45@45&10%

Nos.	1	2	3
	$22.00	$30.00	$45.00

Home No. 1. ₩ doz $26.00 ..... 60%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225 ..... 20@25%

Beef Shavers (Enterprise) ..... 25@30%
Little Giant ..... 50&10%

Nos.	305	310	312	320	322
	$35.00	$43.00	$44.00	$72.00	$68.00

Chadborn's Smoked Beef Cutter, ₩ doz $36.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.
Wire Nails and Brads, Papered, Association list, May 1, 1892, 5% & 10@80&10&10%
Grand Crossing Tack Co. List:
Wire Brads ..... 80&25%
Wire Nails ..... 80&25%

PICTURE—
Brass Head. Sargent's list, 70&10@70&10&5%
Brass Head. Combination list, 50&10%
Porcelain Head, Sargent's list, 50&10%
Porcelain Head, Comb'n list, .40&10%
Niles' Patent 40%

FURNITURE—
Plain 40%
Fire Gilt 10%
Antique Bronze 10%
China 25%

Nail Pullers—

Black Hawk, per doz $9.00
Curtiss Hammer ..... ₩ doz $9.00
Giant, No. 1 ..... ₩ doz $18.00, 20@10%
Giant, No. 2 ..... ₩ doz $15.00, 20@10%
Pelican ..... ₩ doz $9.00, 25&10%
Lightning ..... ₩ doz $18.00, 20%
Scranton No. 2 ..... ₩ doz. $10.00
Scranton No. 3 ..... ₩ doz. $9.00

Nail Sets—

Square ..... ₩ gr. $4.00@$4.25
Round ..... ₩ gr. $3.25
Buck Bros 37½%
Einwachters ..... 60&10%
Cannon's Diam'd Point ₩ gr. $12. 20%
Humason's ..... 50&10%
Dunlap's 20%
Wm. Johnson's Round, Square and Octagon 50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00 .. 50%
Turner & Seymour Mfg. Co 50%

Nuts—

Cold Punched, Square .... 45&5 off list
Hex ..... 5c off list
Hot Pressed, Square ... 5½c off list
Hex ..... 6.1 off list
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb. net.
Tapped 50%

Oilers—

Zinc and Tin ..... 70&10@75%
Brass and Copper ..... 50&10@40%
Malleable. Hammers, Improved 10&5%
Malleable, Hammers, Old Pattern, same list ..... 50&10@60%
"Perfect Pocket Oilers, 3oz. ₩ doz $1.35
Prior's Pat. or "Paragon" Zinc 70%
Prior's Pat. or "Paragon Brass .. 60%
Steel, Draper and Williams 50%
Tower & Lyon Bicycle 25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust ..... 70@70&10%
"Star" Oilers ..... ₩ doz. 85c

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Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₱ gross.....$7.50
Indian Pond Red End, No. 1, ₱ gross..... 7.00
Indian Pond Red End, No 2, ₱ gross..... 5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2..... 5.00
Discount 33⅓ %

OIL STONES—

Pikes Washita:
Lily White 60
Rosy Red.....60
Extra Green Paper Wrapper, ₱ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¼ to 2⅜ to ⅝ at back, ⅛ to 5-16 edge ₱ ℔:
Lily White 90
Rosy Red.....90
Extra, same sizes as above 80
No 1.....70
No. 2 40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₱ ℔..... .70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₱ doz.....$12.00
7x", " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₱ ℔..... .24
" 2x2x1¼, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5¼x1¼ to 2x¾ to 1, ₱ ℔.....2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₱ ℔.....3.50
No. 1, 8 to 12x1¾ to 2x¾ to 1, ₱ ℔.....4.00
No. 2. 3 to 5¼x1¼ to 2x¾ to 1, ₱ ℔..... 1.00
No. 2. 5½ to 8x1¼ to 2x¾ to 1, ₱ ℔..... 1.50
Discount 33⅓%
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x4 in.....₱ doz. $ 0.00
7x3 in.....₱ doz. 35 00
6x2 in.....₱ doz. 30 00
5x3 in.....₱ doz. 24.00
4½x ⅛ in.....₱ doz. 14 00
3½x1 in .....₱ doz. 9 00
4x1 in, on Mahogany Handles.....₱ doz. 7 00
3½ in., in Vulcanized Rubber case.....₱ doz. 12.00
Discount 33⅓% 10s
Pike's Arkansas Round Edge Slips:
No. 1 reg, 3 to 5x1¾ to 2x⅜ to ⅝ in. back x⅛ to ⅜ in edge, ₱ ℔.....$4 00
No. 1 small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x⅛ in to sharp edge.....₱ ℔ 6.00
No. 2 assorted sizes.....₱ ℔ 2.50
Discount 33⅓%
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1½x⅜ to ⅝ ₱ ℔..... 4.00
No. 2, assorted sizes, ₱ ℔..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5¼x1¾ to 2x¾ to 1 in.....₱ ℔, $1.50
No. 1, 5½ to 8x1¾ to 2x¾ to 1 in .....₱ ℔, 1.70
No. 1, 8 to 12x1¾ to 2x¾ to 1 in. ₱ ℔..... 1.90
No. 2, 3 to 5¼x1¼ to 2x¾ to 1 in..... ₱ ℔, .50
No. 2, 5½ to 8x1¾ to 2x¾ to 1 in.....₱ ℔. .70
Discount 33⅓%.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1, reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x ⅛ to ⅜ in. edge, ₱ ℔.....$2 50
No. 1, small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x ⅛ in. to sharp edge .....₱ ℔, 4.00
No. 2, assorted sizes.....₱ ℔, 1.00
Discount 33⅓%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ in.....₱ ℔, $2.50
No. 2, assorted sizes.....₱ ℔ 1.00
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₱ ℔ .08
Washita Finish, about 8x2x¾ to 1¼, ₱ ℔..... .10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₱ ℔..... .20
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₱ ℔..... .12
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₱ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₱ gross..... .20

Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₱ ℔..... .08
Small Axe, about 3x2x¼ to 1 ₱ ℔..... .10
Special Axe, 2½x1½x⅛ ₱ ℔... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 ℔, ₱ ℔..... .05
Medium, 8 x 1½ x 1¼, weight about 1½ ℔, ₱ ℔..... .05
Large, 8x1¾x1¼, weight about 2 ℔, ₱ ℔..... .05
Small table, 10x2¾x3¼, weight about 4 ℔.....₱ ℔. ... .06
Large Table, 10x2¾x5 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₱ ℔ .50
Extra, " ₱ ℔..... .8
Round Edge Slips, No 1, ₱ ℔. 2.00
Discounts 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
" Boston " 60%
" Excelsior " Self-Vulcanizing, per ℔ 70c.....40%
Boston " Phœnix " Red Sheet, per ℔..... 50c. net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N.Y. B. & P. Co., 1846-Para....40&10%
N.Y.B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....70@5%
Standard, Fair Quality.. 70&10@75%
Extra..... .60&10@60&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₱ ℔ 30c 2@25&5%

MISCELLANEOUS—

American Packing.....9c@10c ₱ ℔
Russian Packing.....13c @14c ₱ ℔
Italian Packing.....12c@13c ₱ ℔
Cotton Packing.....14c@15c ₱ ℔
Jute .....6c@7c ₱ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₱ doz $4.50
Baldwin .....₱ doz 5.00
Bonanza.....each 5.00
Daisy .....₱ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₱ doz 12.00
Favorite .....₱ doz 5.00
Ideal .....₱ poz 4.00
Improved Bay State.₱ dz..$27@30.00
Little Star.....₱ doz 4.00
Monarch .....₱ doz 13.50
New Lightning.....₱ doz 5.50
Penn.....₱ doz 3.00
Perfection .....₱ doz 4.00
Pomona.....₱ doz 4.00
Rocking Table.....₱ doz 5.50
Turntable.....₱ doz 4.50
Waverly.....₱ doz 3.75
White Mountain.....₱ doz 4.00
Reading, 72 .....₱ doz 4.00
Reading, 78 .....₱ doz 7.00
Oriole.....₱ doz 4.00
Victor.....₱ doz 13.50
Gold Medal.....₱ doz 4.00
Scott's Pat. Rotary, ₱ doz $15.00, 20%

POTATO—

White Mountain.....₱ doz $4.50
Antrim Combination....₱ doz 5.50
Hoosier.....₱ doz 13.50
Saratoga.....₱ doz 5.50

Pencils—

Dixon's Lead.....₱ gro 4.50
Dixon's Mascot, Round..₱ gro.$3.10
Dixon's Mascot, Hexagon.₱ gro. 3.38
Dixon's Lumber.....₱ gro 6.87
Dixon's Carpenters' ₱ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₱ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&10%
Miscellaneous .....25&10%
Steer's Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's .....6 @6%&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₱ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to 2
Buck Bros.....30%
Auburn "Thistle".....
Ohio .....
Sandusky..... } 30&10@30 &10&10%
L. & I. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers, ₱ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.s0@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₱ doz $12.00 30&5%
Cronks, Stubb's Pat. Pliers.....5%
Cronk's Button Pattern .....70&10
Upson Nut Co. Solid Steel 5½ in. ₱ doz. $2.00; 6½ in. ₱ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex..... .....2 [illegible]%
Stanley's Handy.....2[illegible]&10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@7[illegible]&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₱ doz.....10%
R. I. Tool Co., Leg Irons, $26.00 ₱ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₱ gro $5.75, 10%
Gem.....₱ gro $4.50, 10%
Lustro.....₱ gro $4.75
Rising Sun.....₱ gro $5.50@$5.75
Dixon's Plumbago.....₱ ℔ 8c

Poppers, Corn—

Round or square,
1 qt., ₱ doz. $1.00; ₱ gr. $8.00
1½ qt. ₱ doz. $1.00; ₱ gr. $9.00 } 10@15%
2 qt., ₱ doz. $1.50; ₱ gr. $14 00
Quincy Corn Popper, 1 qt., ₱ doz. $3 00; 2 qt ,$4 00.....33⅓%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Disston's Combined Pruning Hook and Saw...₱ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₱ doz $12.00, 25@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale. 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₱ doz.....$2.50@2.75
Henry's Pruning Shears ₱ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₱ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₱ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. ... .60%
Levin Pruner, No. I, $9.00 ₱ doz.25%
Levin Pruner, No. 2, $12.00 ₱ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔%@70%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔%@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5in. Wheel, ₱ doz $12.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump..... .....$12.00
No. 3, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 323, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump $8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 4[illegible]4, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 5 2, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 342, Fig. 477, Spray Pump complete.....$11.50
No. 320. Fig. 492, Bucket Spray Pump.....$5.50
No. 330, Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₱ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@55%
Spring, good quality, ₱ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring.....50&5%
Solid Tinners', P. S. & W. Co. ₱ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe.....$6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.50
Planished Iron, to fit 7 in. Stove Pide.....$9.50
Planished Iron, to fit 8 in. Stove Pipe.....$10.00

Rail—

Sliding Door, Wr't Brass, 1½ in. ₱ ℔, 35c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron.. ₱ ft. 6½c
Sliding Door, Iron, Painted...₱ ft 3c
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₱ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₱ foot.....8½c
Victor Track Rail, 7c ₱ foot.....70%
Carrier Steel Rail, ₱ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—

Cast Steel, Association goods.75&20%
Cast Steel, outside goods.....70x25%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₱ doz. $4.90
Gibbs' Canton Lawn Rake net ₱ doz $3.50
Gibbs' Favorite.....net ₱ doz $3.90
Gibbs' Acme.....net ₱ doz. $4.00
Gibbs' Crown, No. 1.net ₱ doz. $4.50
Gibbs' Hustler, No. 0.net ₱ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4
Per doz	$1.40	1.50	1.80	2.25..80%

Boys' rakes.....₱ do $3.50

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Ladies' rakes, ₩ doz, No. 1, $2.00: No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth, $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....10%
Jordan's AAA1, list Nov. 1, 1889..60%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—

Francis Keil & Son.....50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95.....60%
Coopers.....60%
Block.....60%
Carriage.....60%
Hame.....60%
Burrs.....60%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—

Regular list.....70%

Rods—

Stair, Brass.....25@30%
Stair, Black Walnut.....₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10& 10@70%
Moore's Acme Barn Door.....50%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope

Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ ℔ 7 c
Manila, ⅜in ₩ ℔ 7½c
Manila, ¼ and 5-16 in ₩ ℔ 7 c
Man. Hay Rope, Med. ₩ ℔ 8 c
Sisal, 7-16 in. & larger ₩ ℔ 5 c
Sisal, ⅜ in ₩ ℔ 5½c
Sisal, ¼ and 5-16 in ₩ ℔ 6 c
Sisal, Hay Rope..... ₩ ℔ 5 c
Sisal, Med. L'the Y'rn ₩ ℔ 4½c
} 1½% for cash in 10 days.
Cotton Rope, Best, ¼ in. and larger..... ₩ ℔ 13@12½c
Medium, ¼ in. and larger, ₩ ℔..9c
Common, ¼ in. and larger, ₩ ℔..8c
Jute Rope.....₩ ℔ 5½@6c

Rules—

Boxwoo...80&10&10&10@80&10&10 &10&5%
Ivory.....60&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%
Lufkin's Steel.....60%
Lufkin's Lumber.....50&10%

Sad Irons—

From 4 to 10.....₩ ℔ 2@2½c
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....5½c
New England.....5c, 20&10%
Mahony's Troy Pol. Irons.....15%
Sensible Pol., ₩ doz $1.50.....20%
Nickel.....₩ doz. $7.00
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set. .....70 net.
No. 60, ₩ set. .....80 net.
No. 65, ₩ set. .....76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown, Impooved Pol, ₩ doz. $8.50
Nickel.....₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper..50&10&5@5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....35%
Steel Cable.....35%

Sash Cord—

Common.....₩ ℔ 8½c@9c
Jute, good quality.....₩ ℔ 11c
White Cotton Braided, fair...₩ ℔ 21c@24c
Common Russia Sash, ₩ ℔ 12½c @ 3c
Patent Russia Sash...₩ ℔ 13½c@14c
Cable Laid Italian Sash ₩ ℔ 22½c@25c
India Hemp Sash.....₩ ℔ 10½c@ 1c

Silver Lake:
A Quality, White., ₩ ℔ 50c....10%
A Quality, Drab...₩ ℔ 55c....40%
B Quality, White ₩ ℔ 50c, 15&7½%
B Quality, Drab, ₩ ℔ 35c..15&7½%
C Quality, White (only) 28½c @ 28c
Sylvan Spring:
Extra Braided White.....₩ ℔ 35c
Extra Braided Drab.....₩ ℔ 33c
Semper Idem, Braided White ₩ ℔ 24c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ ℔ 30c
"Samson" Braided Drab, Cotton.....₩ ℔ 35c
"Samson" Braided Italian Hemp.....₩ ℔ 33c
"Samson" Braided Linen, ₩ ℔ 30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....60&10@60&10&10
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86.....70%
Payson's Perfect.....70%
Hugunin's Sash Balances.....30&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@60&10&10%
Davis, Bronze, Barnes Mfg. Co...60%
Champion Safety.....70&5%
Security.....70%

Sash Weights—

lc. ₩ ℔, Carload lots.....$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—

Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....35%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
Woodrough & McParlin Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.25@25&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back..45&10%
Richardson Circular and Mill, 4 @45&5%
Richardson X Cuts.....45&10%
Richardson Hand-saws....25@2.&5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—

Griffin's complete.....40&10@50%
Griffin's Hack Saw and Blades, 40&10@50%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—

Star Hack.....25%
White Vermont...₩ gro. ..$9.00@$9.50
Red, Polished and Varnished...₩ doz., $1.50 25%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—

Stillman's Lever, Nos. 40. 45, 55@55&10%
Common Lever ₩ doz., $2.00, 40@50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00..... 40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5. $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $8.00; No. 1, $15.00.. 33⅓@35%
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....30%
Disston's Star, $9.00, No. 15, $5.50 25@25&10%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme...₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—

Union Platform Plain...$2.00@$2.10
Union Platform Striped, $2.15@$2.25
Chatillon's Grocers' Trip Scales..50%
Chatillon's Eureka.....25%
Chatillon's Favorite.....40%
Family, Turnbull's.....30@30&10%
Riehle Bros.' Platform...40@40&10%
Brittan Graham & Mathes.....50%
"The Standard" Pittsburg.....50%

Scale Beams—

Scale Beams, List Jan. 12, '92..50& 10@50&10&10%
Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz.. $2.00
Box, 2 Handle... ₩ doz., $3.00@$4.00
Defiance Box & Ship.....20&10%
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. L. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—

Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30&35%
Standard Oil.....35&40%

Screw Drivers—

C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5 @50&10
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C.T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles.60&10%
No. 86.....70&10%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20, 40 and 60 50&10@50&10&5%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral.....50%
Gay & Parsons.....35%
Champion.....40@40&10%
Clark's Pat.....33⅓@40%
Ellrich's Socket and Ratchet.40&10%
Howard-Allard....50&10@50&10&5%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12.45%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
P. S. & W.....70%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 27½&5%
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....25&10%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—

WOOD SCREWS—List, Oct. 9, '95.
Bright Flat Head Iron.....82½%
Br't R'd & Oval Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....82½%
Round Head Brass.....75%
Flat Head Bronze.....82½&10%
R'd and Ovel Head Bronze..80&10%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....65%
Round Head Copper.....60%
Rogers Drive Screws.....65%

MACHINE—

Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron.....70%
Bench, Wood, Beech.....₩ doz $2.25
Hand, Wood.....25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1890. 75&20%
Coach list Jan. 30, '95.....75&17½%
Bed.....50&10%
Hand Rail, Sargent's, 70&10@70&10&10%
Hand Rail, H. & B. Mfg. Co..75@75&5%
Hand Rail Am. Screw Co.....70%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W.....35%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns'.....40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—

C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' No. 1, $8; No. 6, $10; No 7, $15.....25%
Barnes Scroll Saw Blades.....25%

Scythes—

Grain.....50@50&10%
Grass.....50&10@60%

Seeders—

Enterprise Raisin.....25%

Shears—

Ætna, Steel Japanned.....60&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s...60@60&10
American (Cast) Iron..75&10@50&5%
Barnard's Lamp Trim'rs ₩ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60% Japanned.....70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75% Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1889.50&10@60&5%
R. & E., list August 15, 1895.....60%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1895.....60&2%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s.....60%
Sargent's list.....70%
Reading list.....65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Boss, from jobbers.....$3.15@$3.40
Bryden's Frog Pressure.....$4.00
Perkins Steel Side Weight Hind $3.15@$3.40
Perkins Improved Snow.....₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 8½c
500 ℔ lots.....₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c.....20%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@15%
Snow, Long Handle, ₩ doz. $6.25 25&20%
Snow, D Handle, ₩ doz., $7.25 25&20%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan. 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—

Iron Head.....60&10@60&10&5%
Brass Head.....60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $18@18.50

Slaw Cutters—

Enterprise.....35%

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Slicers—
Enterprise Vegetable.....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guarded, 70&10&10@70&10&10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German, new list.....40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert Mfg. Co.....45&2@50%
Covert's:
Triumph, Loop Eye, Round Eye, Open Eye, Loop Eye, Swivel, Round Eye, Swivel, Roller Eye for Breast Snaps, Double for Bits or Trace Carrier, Swivel Eye Satchel Snaps, Neck Yokes, Neck Yoke Centres, Banner Bolt Snaps.....40&5%

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)50&10%
Seymour Smith & Sons, Iron.....20%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 75&10@80%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit.Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co.. 40&15&5%
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50&10%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60&6%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&15&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60&10%
Boardman's Nickel Silver60&7½&5%
Boardman's Britannia Spoons, case lots.....60&10% cash

Springs—
See Door Springs.

Squares—
Steel and Iron, Nickel-Plated.....75&1 @30%
Try Square and T Bevels60&10&10%
Disston Try Square and T Bevels, 50@50&10%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—¼ inch and larger ₩ lb.....7c@7½c
Barbed Blind—¾ inch, ₩ lb..8c@8½c
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....3⅓%
Butterfield's Goods.....35%
Lightning Screw Plate.....25@30%
Reece's New Screw Plates.....25@30%
Reversible Ratchet.....35%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
Papered, Dozened and M's. Straight Weights. Full Half and Quarter Weights, 2% for cash.

Star weights (**), 5% extra; Standard weights (***), 10% and 5% extra, and special weights (***) (tinned and coppered carpet tacks only), 10 and 15% extra.

Carpet Tacks:
American, blued.....80&3 3%
American, tin and cop'd..85&3 3%
Steel, blued and bright.....85& 5%
Steel, tinned and cop'd...8 &3 3½%
Swedes Iron, S.S., bl d.8 &3 3½ &10%
Swedes Iron, S.S., tin'd.8 & 3½&1 %
Swedes, Iron, Lanc., blued....87½%
Swedes, Iron, Lanc., tinned..87½%
American, Iron, Dom.....85&10&20%

Swedes Iron Tacks:
S. S., blued.....87½%
S. S., tinned.....87½%
Lanc., blued.....80&20%
Lanc., tinned.....80&20%

Upholsterers' Tacks:
S. S.....90%
Lanc.....85&5%

Gimp Tacks:
S. S., blued.....9 &15%
S. S., tinned.....90&10%
Lanc., blued.....80&20%
Lanc., tinned.....85&30%

Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%

Looking Glass Tacks.....70%
Leathered.....60%
Lace Tacks.....70%
Blued and tinned.....80&35%
Basket Tacks.....62½%
Berry Box Tacks.....62½%
Trunk Tacks:
S. S.....66⅔%
Lanc.....62½%
Miners' Tacks, S. S.....66⅔%
Bill Posters' and Railroad Tacks:
S. S.....66⅔%
Lanc.....62½%
Brush Tacks, bulk.....87½&2½%
M's.....75&15%
S. S.....55%
Lanc.....5 %
Hungarian Nails.....80&20%
Common and Patent Brads.....80%
Finishing Nails.....57½%
Trunk and Clout Nails.....57½%
Basket Nails.....1 %
Chair Nails.....45%
Cigar Box Nails.....45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓%&2% cash.
F. H. Cobblers Nails:
4½-8in., and shorter, ₩ 100 lb $17.60
5/8 in. and longer, ₩ 100 lb....$15.90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:
No. 18 & 19. 17 & heavier.
2-8&2½-8 in. $64 90 $44 60
3-8&3½-8 in. 55.50 38.00
4-8& longer, 44.50 36.10

MISCELLANEOUS—
Double Point.....85&10@85&10&5%
Wire Carpet Nails.....80&10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₩ box $1.50
Claw Handle Carpet.....₩ gr $4.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 50&2%.
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks.66⅔&33⅓&2%
Miniature Keg Tacks..66⅔&33⅓&2%
Upholsterers' Nails.....50&10%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50

Tapes, Measuring—
Lufkin's Steel and metallic.....40%

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Tin, Perforated—
Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$7.25	$1.20
6	$6.95	$1.15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887.....70&10@70&25%

Trammel Points—
Cook's.....25%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%
Sargent's.....70&10@70&10&10%
Backus and Union.....40%
Prentiss'.....20@25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3.50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T.$3.50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track.....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft.....09
Single Rail Steel Track with clamps, ₩ ft.....09
D. H. Fork, Steel Regular, each.75
Nellis Fork, each.....$1.50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz.$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 8, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz.....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Floor Hooks, ¾ in. ₩ doz.....65
Hanging Hooks for Double Steel Track, ₩ doz.....60
Hanging Hooks for Single Steel Track, ₩ doz.....60
Hanging Hooks for Wood Track, 10 in. ₩ doz.....45
Hanging Hooks for Wood Track, 14 in., ₩ doz.....55
Wrought Rafter Brackets, ₩ doz.....45
Malleable Rafter Brackets, ₩ doz.....45
Rope Hitch, ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida Pattern.....75&5@75&10%
Newhouse.....40&10@50&5%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....50&10@20%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 80&10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 10%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ ds $2.50,15%
Mouse, Bonanza....₩ doz 90c@$1.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₩ doz. 65c.; in full cases.....60c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross, $12.50
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat.....₩ gross $15.00
Household.....₩ gr $10.00
Erie Rat.....50%
FLY—
Balloon, ₩ doz $1.50.....₩ gr. $12 50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..35 @25&10%
Peace's Plastering.....25@25&5%
W. & McP. Plastering.....25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....25@33⅓%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
Solid Box.....50&10@60%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@40&10%
Parker's.....30@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Massey's Quick Action.....20@25%
Bonney's.....50@50&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....35&10&5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.0 @$7.50
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $18.00; 5 ft., $20.00; 5½ ft., $22.00; 6 ft., $24.00; 6½ ft., $27. 0; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $38.00.
Eureka, Two-thirds Whalebone, 5½ ft., $15.00; 6 ft., $16.50; 6½ f ., $18.00; 7 ft., $21.00.
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft., $10.50; 6½ ft., $12.00; 7 ft., $13.50; 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $5.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7. 0; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors.....5 ft., $5.00
Americus, 98 Pen Whip, 5 ft., $5.00
Gents' Light Driving, No. 111, 5 ft.....$5.00
Gents' Light Driving, No. 106, 5 ft.....$5.00
Hand-Made Stocked Java, No. 108.....5½ ft., $3.75; 6 ft., $4.00
Team Whips....₩ doz $2.0 @$7.5

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@80%
Cop'd, Nos. 0 to 18, 75& @70&10&5%
Galv., Nos. 0 to 18.....70&10@75%
Tin'd, Tinned list Nos. 0 to 18..75 &10@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb.....40c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass.....80@80&5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 20, ₩ lb.....6 @70c
Tate's Wire Picture Cord Braided and Twisted.....8@10&10%
Picture Wire.....New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft...$1.8 @$1.40
Galvanized Wire Netting...80&10 @85&25%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List.
Iron.....20&2½%
Iron, Galvanized.....20&2½%
Cast-steel.....20&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....60@60&5%
Nickel.....40&5@50%
Heavy.....50%
Alligator.....60&10%
Hercules.....70%
American Adjustable....40@40&10%
Armstrong's.....40%
Baxter's Adjustable "S".....70@70&10%
Baxter's Diagonal.....60@60&10%
Coes' Genuine.....50& @50&10%
Coes' "Mechanics'".....50&10&5 @60%
Girard Standard.....65&10@70%
Lamson & Sessions' Engineers'.....10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Coubination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $2 50@2.60 60%
Boardman's.....34½%
Always Ready.....33⅓&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%

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Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....30%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes -

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 2%
Colby Wringer Co, list May 1, 1894, 2%
Lowell Mfg. Co., list July 2, 1894...2%
Peerless Mfg. Co, list Feb., 1892...2%
National Wringer & Mfg. Co, list Jan. 1, 1895.....2%
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in bbls. ℔ gal. 42c
Linseed, City, Boiled, " ℔ gal. 45c
Out of Town on Spot.....℔ gal. 40c
Calcutta, Raw, in bbls.....℔ gal. 47c
Lard, Prime City.....℔ gal. 50@51
Western, Prime.....50@51
Extra, No. 1.....40@41
No. 1.....37@39
No. 2.....33@35

Paints and Colors—

Barytes, Prime White, ℔ ton, $14.00@$17.00
Barytes, Foreign Floated, ℔ ton, $15.00@$18.00
Barytes, Domestic Floated, ℔ ton $22.00@$23.00
Barytes, Off Color, ℔ ton, $10.00@$13.00
White Lead, American, Dry, ℔ ℔ 4½@5c
White Lead, American, in Oil, ℔ ℔.....5½@5¾c
White Lead, English, in Oil, ℔ ℔ 5½@5¾c
Litharge, American Powdered, ℔ ℔.....4¾@5¼c
Litharge, English Flake, ℔ ℔ 7¼@8 c
Litharge, Glassmakers', ℔ ℔ 4¾@5½c
Zinc, American, Extra Dry, ℔ ℔ 3¾@4½c

Putty—

Putty in Bulk.....$1.45@$1.70
Putty in Bladders.....$1.65@$2.00
Putty in Tins.....$2.00@$2.50

Spirits Turpentine—

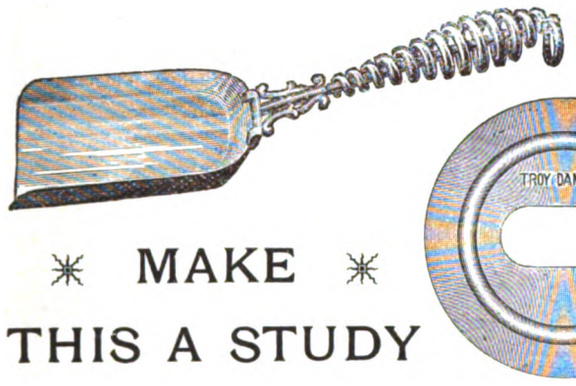
Spirits Turpentine, ℔ gal..28@28½c

Dry Colors -

Blue, Chinese.....℔ ℔ 35 @40 c
Blue Prussian.....℔ ℔ 30 @35 c
Blue, Ultramarine..℔ ℔ 7 @35 c
Brown, Sienna, American, burnt.....℔ ℔ 1¼@ 1½c
Brown, Sienna, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Umber, American, burnt.....℔ ℔ 1¼@ 1½c
Brown, Umber, American, raw.....℔ ℔ 1¼@ 1½c
Brown, Vandyke, German.....℔ ℔ 2¾@ 5¾c
Brown, Vandyke, American.....℔ ℔ 1¾@ 2½c
Green, Chrome, Common.....℔ ℔ 5 @ 6 c
Green, Paris .....℔ ℔ 20 @25 c
Indian Red, Staddard, American....℔ ℔ 2 @ 3 c
Venetian Red, English Prime.....℔ ℔ $1.75@$1.90
Yellow, Chrome ....℔ ℔ 16 @25 c
Yellow, Ocher, Fre'ch ℔ ℔ 1 @ 1¾0

Colors in Oil—

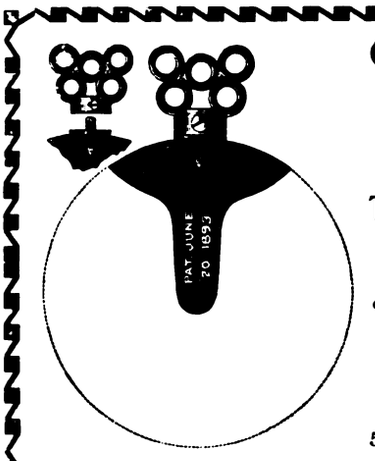
Black Coach Japan ℔ ℔..18½@30 c
Black Coach Japan in Oil.....℔ ℔ 12 @13 c
Black Drop.....℔ ℔ 7½@10 c
Black Lampblack, prime, ℔ ℔ 27 @33 c
Black Lampblack, medium.....℔ ℔ 15 @20 c
Black Lampblack, 2d quality.....℔ ℔ 13 @19
Black, Lampblack, low grade.....℔ ℔ 6½@10 c
Blue, Chinese.....℔ ℔ 35 @40 c
Blue, Prussian .....℔ ℔ 20 @40 c
Blue, Ultramarine..℔ ℔ 12 @1 c
Brown, Sienna bur't ℔ ℔ 7 @10 c
Brown, Sienna, raw.℔ ℔ 7 @10 c
Brown, Umber, bur't ℔ ℔ 7 @10 c
Brown, Umber raw .℔ ℔ 7 @10 c
Brown, Vandyke....℔ ℔ 7 @11 c
Green, Chrome.....℔ ℔ 8 @14 c
Green, Paris.....℔ ℔ 16 @21½c
Red, Indian.....℔ ℔ 12 @15 c
Red, Venetian.....℔ ℔ 4½@ 8 c
Yellow, Chrome.....℔ ℔ 13 @18 c
Yellow, Ocher, Fre'ch ℔ ℔ 4½ c



ORIGINATORS.

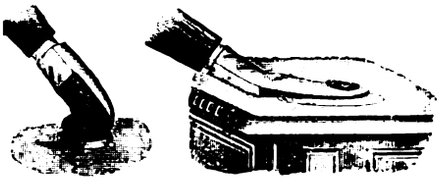
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THIS A STUDY

ALASKA
STOVE HARDWARE
PATENTEES AND SOLE MANUFACTURERS,
TROY NICKEL WORKS, Troy, N. Y.



COLUMBIA
DAMPER CLIP.
Simplest, Best, Cheapest.
Cannot be put together wrong.
TRILBY OIL HEATER.
Best, Largest, Cheapest.
THREE STYLES.
Gas Heater Unequalled in Appearance and Utility.
MANUFACTURED MICA GOODS OF ALL KINDS.
BEST AND CHEAPEST OYSTER KNIVES IN THE MARKET.
GEO. T. MOE & CO.,
52 N. Second Street, Philadelphia, Pa.

Advertisements
That are Useful.



A Stove Polishing Mitten is Needed in Every Home.
We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.
BOSTON TAPE MFG. CO., 137 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.

Pflueger's Snowflake Bicycle Chain Lubricant

✳ Has superior lubricating qualities, is highly perfumed and will not soil hands or clothing. Once tried always used. . . . . .

10c. each or three sticks for 25c.

Mailed on receipt of price.

LIBERAL DISCOUNT TO THE TRADE.

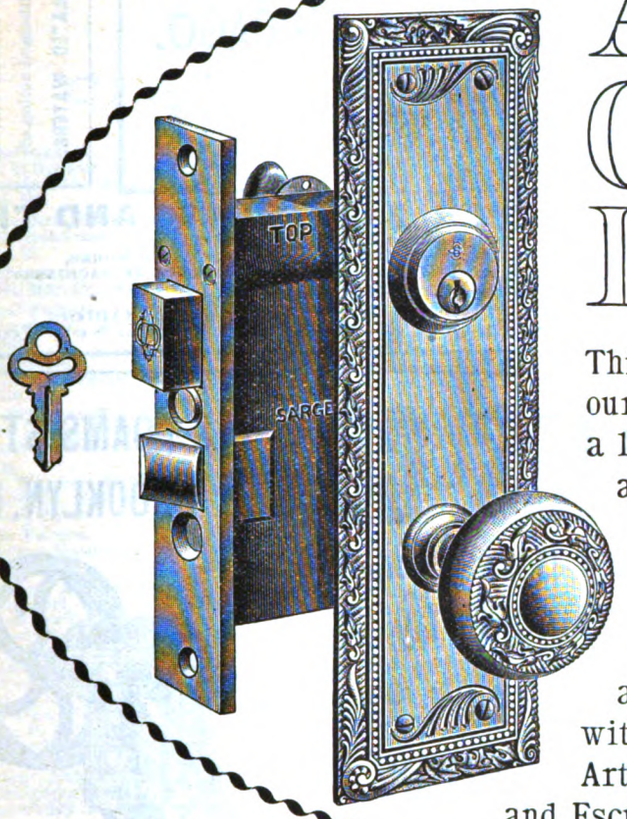
Largest Manufacturers in the U. S. of Fish Baits and Specialties for out-door sport.

(CATALOGUE.)



The Enterprise Mfg. Co., Akron, Ohio.

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A Cylinder Lock-Set.

This set is our No. 802 D. It is made up of our celebrated Easy Spring Lock No. 6841 P—a lock of the highest grade which will last a lifetime. The Knob and Escutcheon are in the popular trim, at a moderate cost, known as our D Design; we can furnish the Hardware for the whole house in this design. We also put up this Lock in sets with other patterns of our Artistic Design Knobs and Escutcheons.

IF ANY OF OUR CHECKS AND SPRINGS GET OUT OF ORDER, REPAIRS CAN BE EASILY MADE WITHOUT RETURNING THEM TO THE FACTORY. PARTS FOR REPAIRS ARE SHOWN IN OUR CATALOGUE—THEY CAN BE FURNISHED PROMPTLY. IT IS NOT ONLY DURING THE COLD WEATHER THAT THE

Eclipse Check and Spring

IS USEFUL. AT ALL SEASONS OF THE YEAR THERE IS USE FOR A DOOR-CLOSING AND SLAM-PREVENTING DEVICE ON DOORS THROUGHOUT THE HOUSE. TO KEEP THE ODORS OF COOKING FROM THE LIVING ROOMS, THE ECLIPSE SHOULD BE USED ON THE KITCHEN DOOR.

DO YOU SELL THE ECLIPSE?

SARGENT & CO., NEW YORK,
Hardware Manufacturers, And New Haven, Conn.

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Perforated Filter Press Plates.

THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

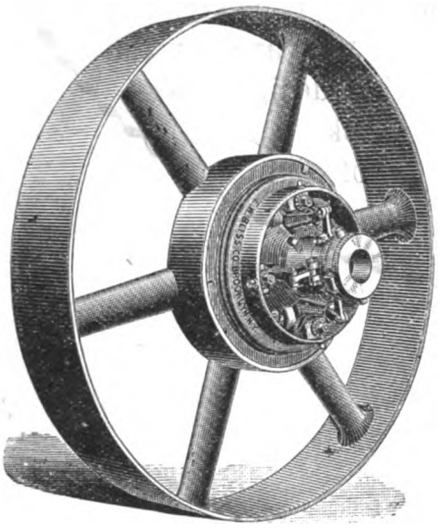
For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, 222 to 240 No. Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.

CHICAGO OFFICE, 96 W WASHINGTON ST.

E. W. BLISS CO., 18 ADAMS ST., BROOKLYN, N.Y.



PRESSES, DIES AND SPECIAL MACHINERY.

FOR

ALL KINDS OF

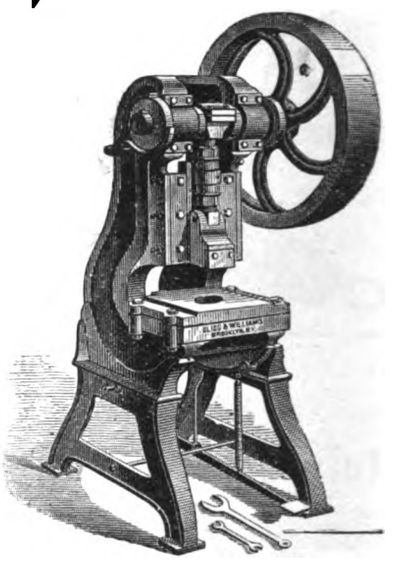
SHEET METAL WORK

MAKERS OF THE

BLISS PATENT TOGGLE DRAWING PRESSES.

A NEW FRICTION CLUTCH.

SEND FOR CATALOGUE.



—OWNERS OF—

THE STILES & PARKER PRESS CO.

THE CROWN

Christmas Tree Holder



Is the only . . . .

Tree Holder

. . . . Made

That has

Stood the Test

Of Practical Use.

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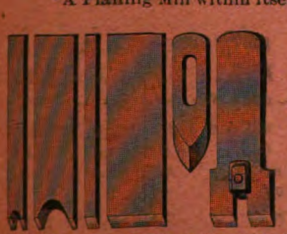
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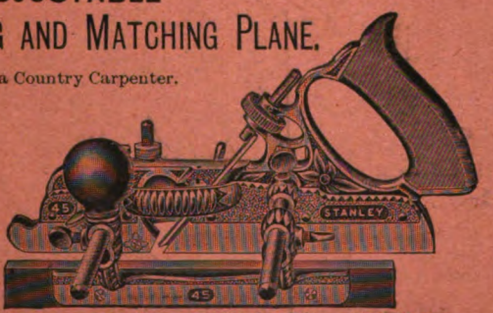
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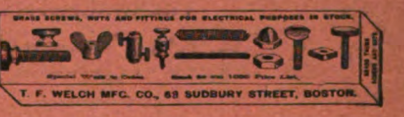
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HARDWARE EXCLUSIVELY

A Review of the American Hardware Market.

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VOL. XII. No. 7. New York, January 10, 1896. $1.00 A YEAR



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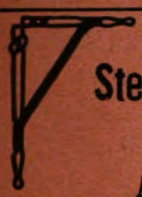
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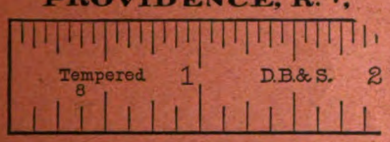
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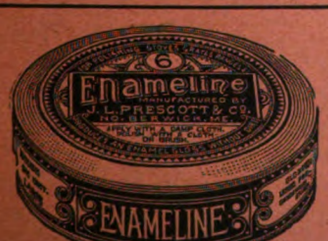
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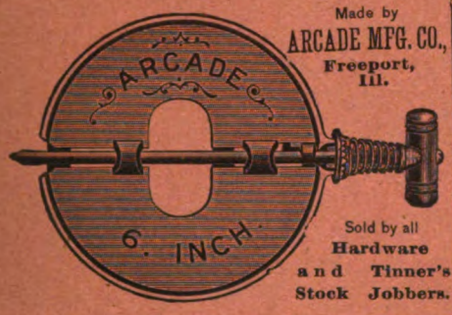
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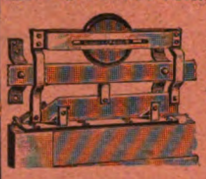
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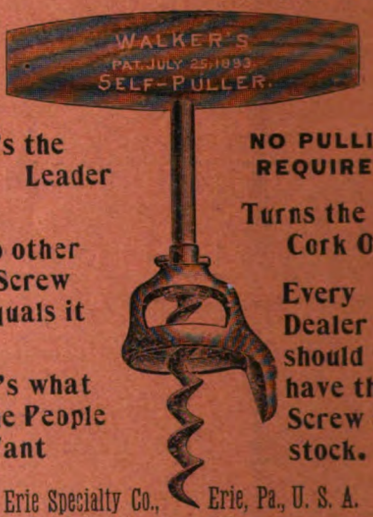
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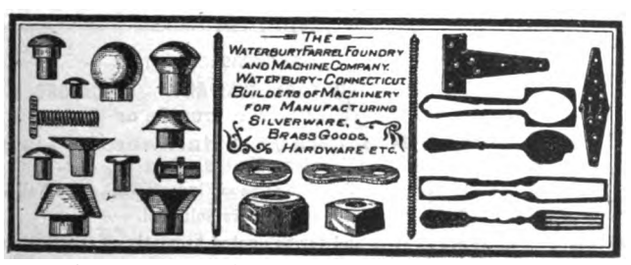
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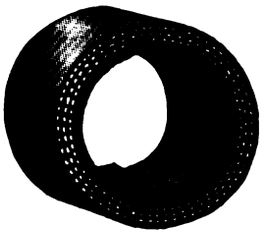
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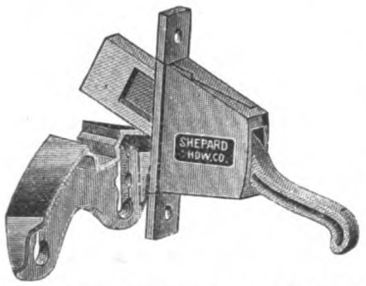
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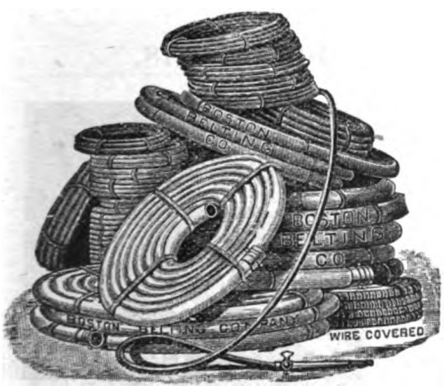
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I	nterchangeable parts.	T	ubular hubs.
G	raceful curves.	R	e-inforced properly.
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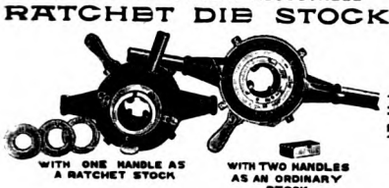
Taps & Dies.

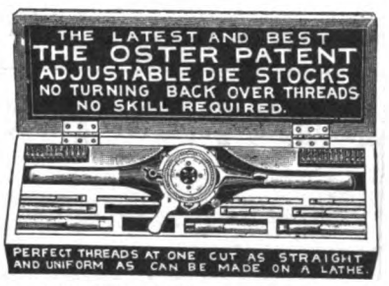


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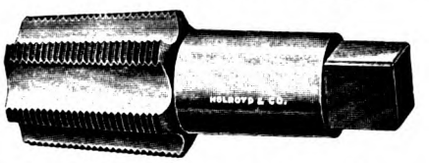
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140 MILK STREET, BOSTON.
103 LAKE STREET, CHICAGO.

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There are Two Classes of Rubber Belting, Packing and Hose:

MALTESE CROSS BRAND

AND OTHERS.

We are the Sole Makers of the MALTESE CROSS GOODS, but we make others too, and all at prices that you will find attractive.

THE GUTTA PERCHA AND RUBBER MFG. CO.,

ESTABLISHED 1855,

Mechanical Rubber Goods of Every Kind,

35 WARREN STREET, - - NEW YORK.

BRANCHES: CHICAGO. BOSTON. SAN FRANCISCO. PORTLAND, ORE.

TO SAVE FREIGHT

WE KEEP IN STOCK

Grindstones,
Mounted Grindstones,
Scythe Stones,
Axe Bits, &c.,

AT OUR BRANCHES

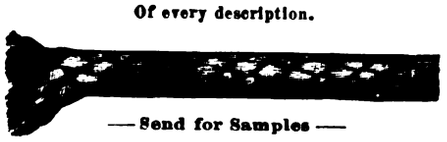
288 Front Street, New York, N. Y.
Chicago, Ill., Office 706 Tacoma Building.
88 & 38 Sleeper St., So. Boston, Mass.

THE CLEVELAND STONE CO.,

Hickox Building. Cleveland, O.

Braided Cord

Of every description.



— Send for Samples —

TATE MFG. CO., MALDEN, MASS.

TIME

WILL

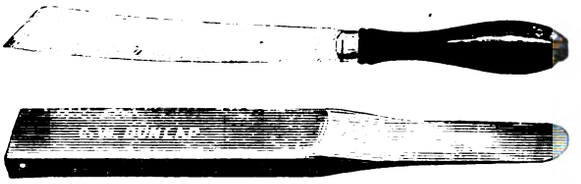
TELL.

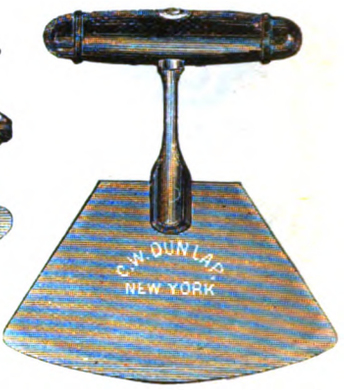
A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

Dunlap's Superior Kitchen Hardware.



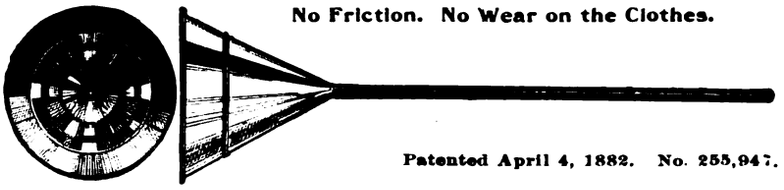


Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St., New York.

The Compressed Air Washer at the Head.

It is Light and Portable. Lasts a Lifetime.
No Friction. No Wear on the Clothes.

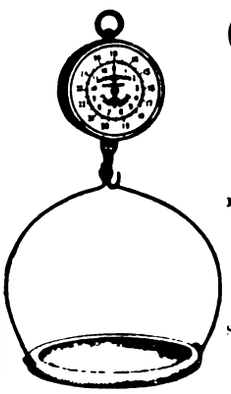


Patented April 4, 1882. No. 255,947.

We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric. The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.

Retail Price, $2.50. Send for Circulars and Prices

Manufactured only by E. M. HEATHMAN & CO., HAMILTON, O. U. S. A.



Gilfillan Scale & Hardware Co.

133-139 So. Clinton St., CHICAGO.

MANUFACTURERS . . . .

Family, Counter, Butcher and Postal Scales. Nail Pullers.

SEND FOR CATALOGUE

N. Y. Office, 88 Chambers St.



NEW HAVEN WIRE MFG. CO.,

Manufacturers of WIRE in great variety.

NEW HAVEN, CONN.

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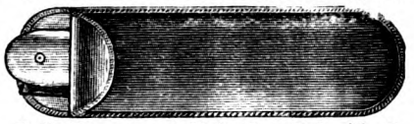
KNIFE BAGS AND CASES
RAZOR CASES.

WE seldom get an order from a Hardware Dealer but what it includes from 3 to 12 dozen of the goods below.

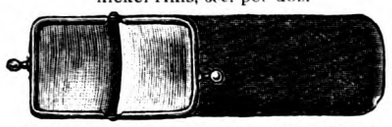
All are made of **Maroon Kid,** strongly sewed.

KNIFE BAGS and CASES

In Sizes of 3½, 4 and 4½ inches.



Knife Bag, same as Knife Case, but without nickel rims, 60c. per doz.



Knife Case, Nickel Rims and Ball Clasp, 60c. per doz.



Razor Case, Nickel Rims and Ball Clasp, $1.00 per doz.

SCISSOR CASES ALSO.

Send for our 84 page book for Hardware Dealers.

R. H. INGERSOLL & BRO.
65 Cortlandt St., New York.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

A business without advertising is like a gun without ammunition. Advertise in "HARDWARE."

AT THE TOP



AND GOING TO STAY THERE

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McParlin

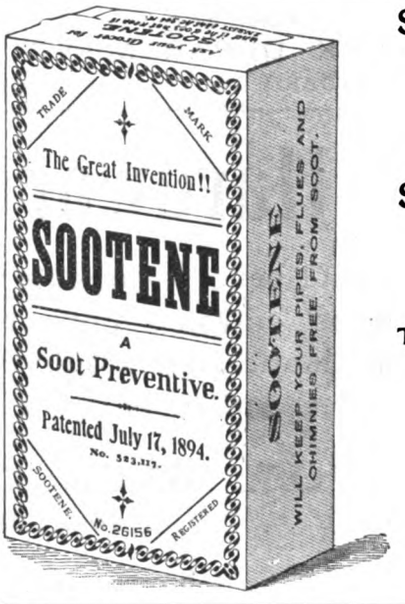
THE
NATIONAL SAW CO.

GENERAL OFFICE.... **NEWARK, N. J.**

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists



SOOTENE

Will keep your Chimney Pipes and Flues free from Soot and create a perfect draught, thereby making it a household necessity.

SOOTENE

Is an article worth the Dealer's attention and will pay them well to keep in stock. Address

THE SOOTENE CO.,
80 Broad St, N. Y. City.

GENERAL SALES AGENTS FOR
UNITED STATES
AND EXPORT.

Patentee and Manufacturer,
R. GIVENS,
Corpus Christi, Tex.

Rhode Island Perkins Horse Shoe Co., Manufacturers of
HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

F. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.



Prentiss Calendar Clocks.

PERFECT and RELIABLE.

No Office, Store or House complete without one.

Special Prices.

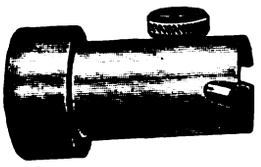
Made in Oak, Antique Oak, Walnut, Mahogany.

With 8, 30, 60 and 90-day Clock Movements.

Prentiss Calendar Co.
49 Dey St., New York City.



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THE most durable, most practical and most satisfactory **NOZZLE** yet invented.
A simple, straight, open tube. . . . . .

No Valve, No Ball, No NOISE.

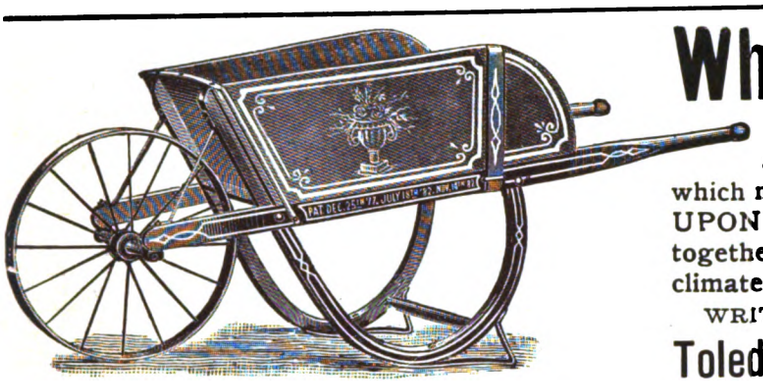
Will spray from finest mist to coarsest rain, or throw solid stream.

Write for Circulars.

Manufactured by the

H. F. Neumeyer Mfg. Co.,

Macungie, Pa., U. S. A.



Wheelbarrows

of all Styles,
of all Grades
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works. Toledo. O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

Hardware Dealers

Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,

Jersey City, N. J.

Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.





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Do You Desire

an article that every family would buy if they simply had their attention called to its merits! If you do, put in a stock of P & A's Banner Oil Stoves. See Cut.



Banner Oil Heater

SIMPLE, NOVEL and PRACTICAL.

Requires less care than the ordinary Lamp.

Will burn 8 to 10 hours and heat comfortably a room 15 to 20 feet square.

NO SMOKE! NO ODOR!
PERFECT COMBUSTION.

POINTS:

The Oil Fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking.

No Chimney. The drum of the **BANNER** in its construction acts as a chimney, saving the expense incident to the renewal of glass chimneys of other makes.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and ONLY ONE with feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness.

Lighting. It is not necessary to remove any part of the stove to light it. The sliding door in the drum is made for this purpose.

Draft. The round openings in the drum create great suction of cold air in addition to the regular draft. Double the radiating force of the ordinary stove is thus secured.

Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

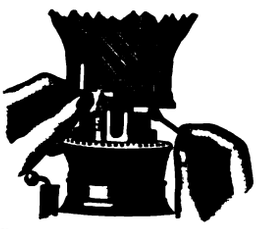
No. 971, Heater Complete. Height, 27 inches.

*** SOLE MAKERS, ***

THE PLUME & ATWOOD MFG. CO.,

29 MURRAY ST., NEW YORK, U. S. A. 199 LAKE ST. CHICAGO.

The



B & H
LAMPS.

—Easy to Light—
—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place



—"The B & H"—

is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*
Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

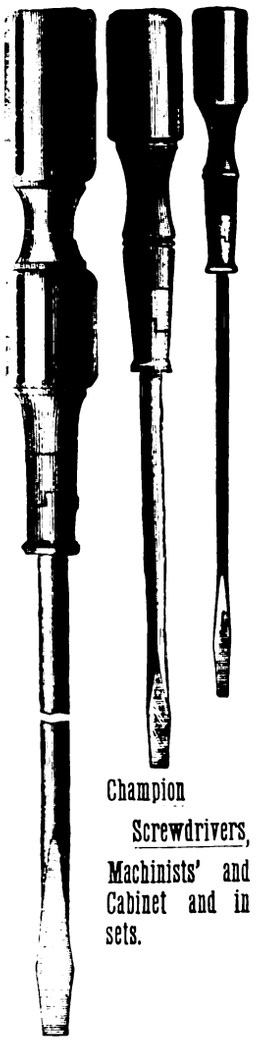
NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

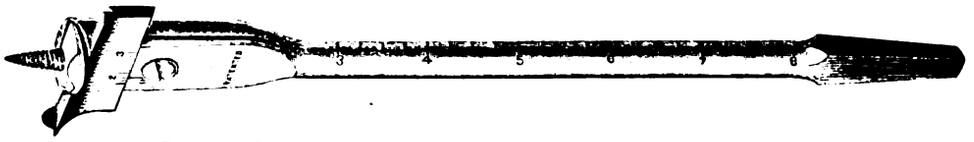


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Carpenters and Machinists' Tools.

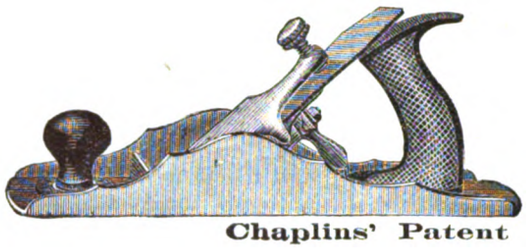


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

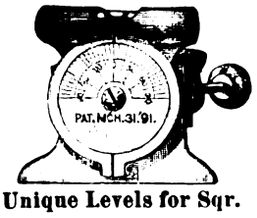
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





Corrugated Face.

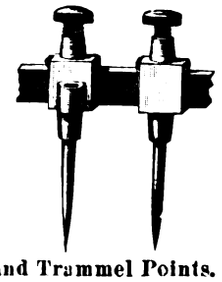
Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



Plumb Bobs and Trammel Points.



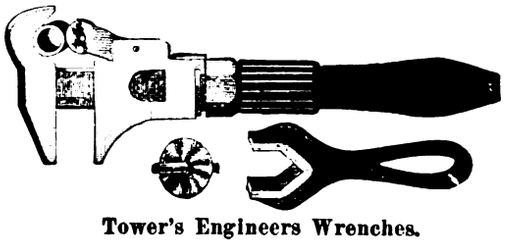




Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers **Padlocks, Police Goods, Etc.**

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,

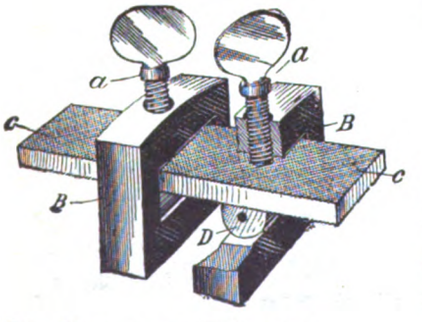
CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

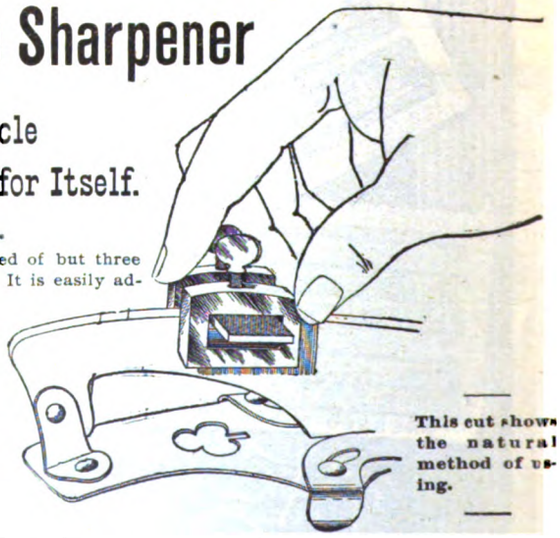


A New and Useful Article Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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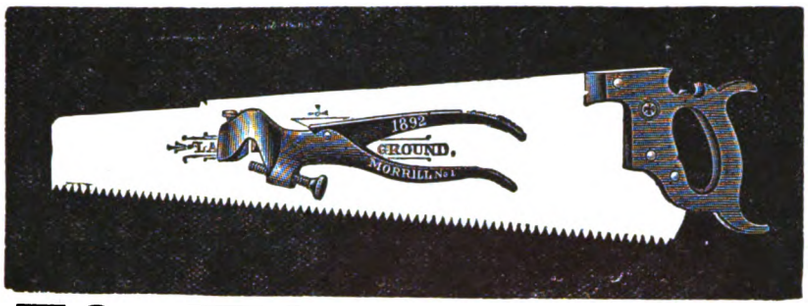
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. **Torrington, Conn.**

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

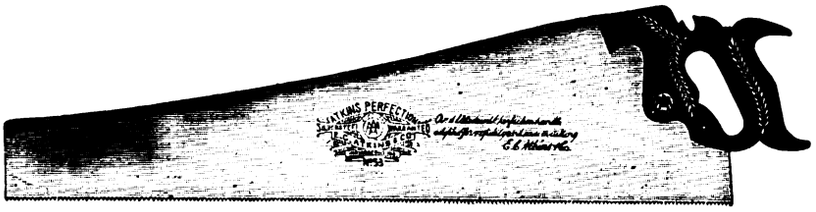
CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind. BRANCH HOUSES } Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

MANUFACTURERS

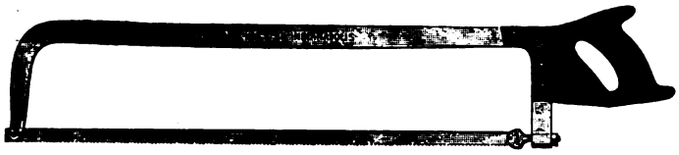
The Atkins SILVER STEEL SAWS.

SILVER
STEEL



THE
BEST SAWS
MADE.

THE ATKINS "PERFECTION" SAW. No. 53.





An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?

WE FURNISH COMPLETE OUTFITS,

THE HANSON & VAN WINKLE CO.,

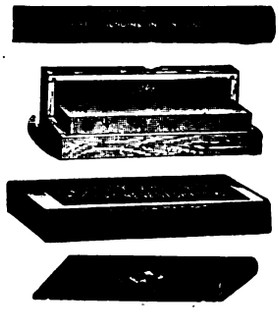
CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE.

Oil and Water Stones.

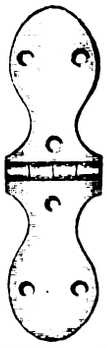
WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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F. KLAGES & CO., 107 Chambers Street, 91 Reade Street, New York City.

SOLE AGENTS FOR U S. AND CANADA FOR THE



Buchanan Brass Hardware Co., Limited,

Manufacturers of BRASS and BRONZE HARDWARE.

Door Pulls,
Shutter Bars,
Drawer Pulls,
Corner Plates,
Hook Sash Lifts,
Mirror Plates,
Flush Sash Lifts,
Plate Escutcheons,
Cabinet Escutcheons,
Fire Screen Hinges.

Moulding Hooks,
Fancy Box Hinges,
Refrigerator Hinges,
Fancy Cabinet Hinges,
Box and Chest Corners,
Brass and Zinc Washers,
Floor and Ceiling Plates,
Water Closet Seat Hinges.

SEND FOR CATALOGUE.

S Hooks,
Hinge Plates,
Stair Corners,
Stair Buttons,
Loose Pin Butts,
Strap Hinges,
Door Numbers,
Shelf Brackets,
Padlock Hasps,
Mending Straps.





Revolution in Washing Machines.

Every machine guaranteed to was Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

The Champion Washing Machine Co.,

213-223 West Third St., Cincinnati, Ohio.



The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us

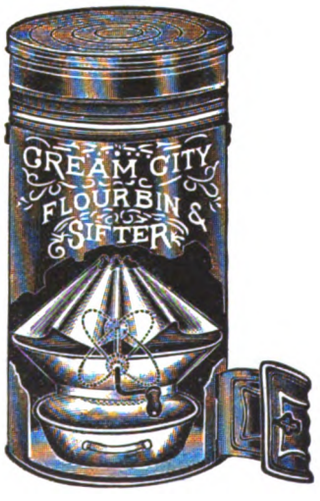
The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & CO., 80 John St.

Your Christmas Stock

Is Not Complete Without the



Cream City Flour Bin and Sifter.

Made of Heavy TIN.
Handsomely Ornamented.
All Salient Features Patented.

The best combined receptacle, sifter, mixer, aerator and preserver of Flour in the world.

Keeps Flour sweet and clean, sifts it out as wanted and never wastes a speck.

The only Bin made with detachable shield over the sifter. It keeps the pressure off the reels, ensures ease of operation and prevents grinding through of impurities. Three sizes, 25, 50, 100 pounds. Made only by the

Geuder & Paeschke Mfg. Co.,

Manufacturers of TINWARE, MILWAUKEE, WIS.

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LARGEST FILE AND RASP PRODUCERS IN THE WORLD.

NICHOLSON . .
GREAT WESTERN
X. F. (EXTRA FINE)
AMERICAN . . .

The Standard Brands.

FACTORIES AT
Providence, R. I.
Beaver Falls, Pa.
Pawtucket, R. I.

MAIN OFFICE AND ADDRESS:

NICHOLSON FILE COMPANY

PROVIDENCE, R. I., U. S. A.

OPERATING FOUR DISTINCT PLANTS.

Capacity, Equipment and Quality of Product Unequalled.

CABLE ADDRESS:
"NICHOLSON,"
PROVIDENCE, R. I. U. S. A.

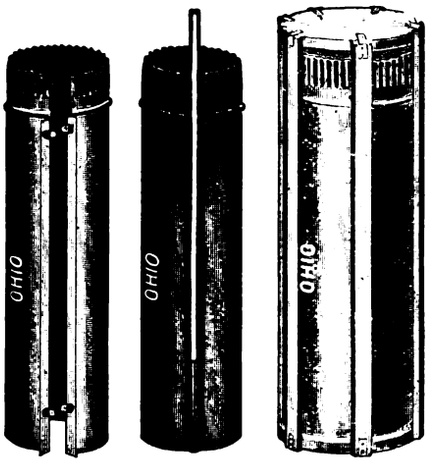
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizse:

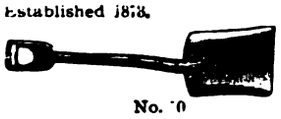
4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in.... " 6½ in ... "

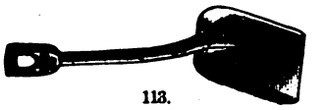
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

Established 1873.


No. 0


113.

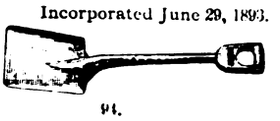
THE WYOMING SHOVEL WORKS,

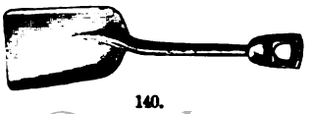
MANUFACTURERS OF

Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.
Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.
Office, WYOMING, PA. Works.
Catalogues furnished on application.

Incorporated June 29, 1893.


94.


140.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

Samuel W. Allerton, Prest.
C. C. Clarke, Sec'y & Treas.
A. Weed, Vice-Prest. & Gen. Manager.

WEED'S IMPROVED CUT
GUARANTEE SEAL
ALL FILES ARE FULLY GUARANTEED
SPECIAL TEMPER

THE ARCADE FILE WORKS.

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

New York. Chicago.

ALLERTON, CLARKE CO., Agents,

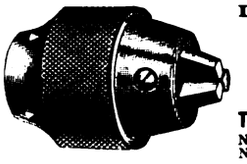
118 Lake Street, CHICAGO. 83 Reade St., NEW YORK.

CASTINGS

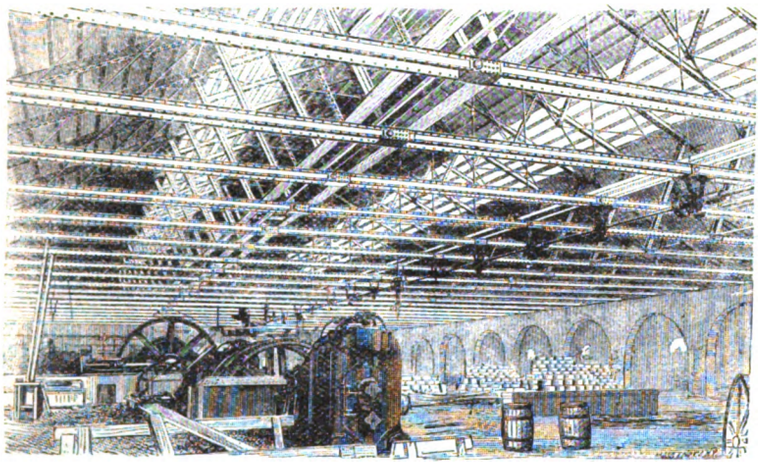
SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.
C. H. Angus, - Albany, N. Y.

SKINNER PATENT CHUCKS.



Lathe Chucks,
Drill Chucks,
Paner Chucks,
Face-Plate Jaws.
Cat. free on application.
THE SKINNER CHUCK CO.
New Britain, Conn., U. S. A.
No. 94 Reade St., New York.



The above illustration is taken direct from a photograph, and shows the construction of an Iron Truss Roof designed and built by us for the Coe Brass Co., at Torrington, Conn. The roof is over their Rolling Mill, which is a building 118 feet wide and 243 feet long. The line of brick arches, shown on the right, connects with an adjoining Muffle Room, which is also covered with an Iron Truss Roof, designed and built by us.

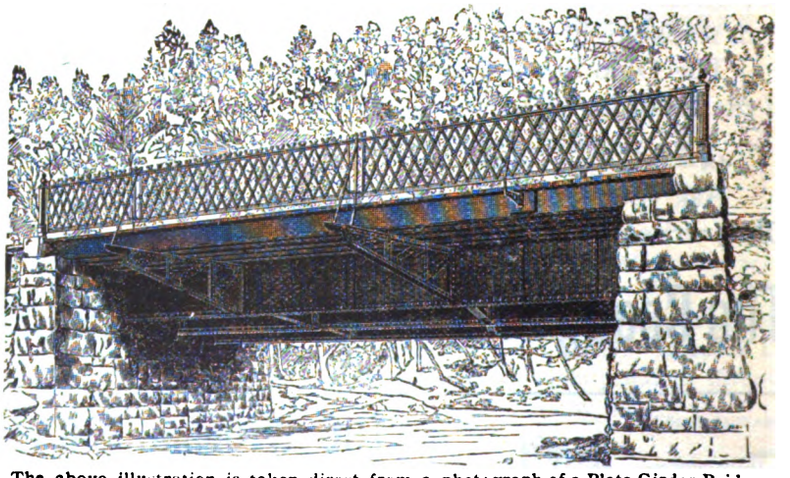
THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders of

Iron and Steel Buildings, Roofs,

Bridges, etc., etc.

Send for Illustrated Catalogue.



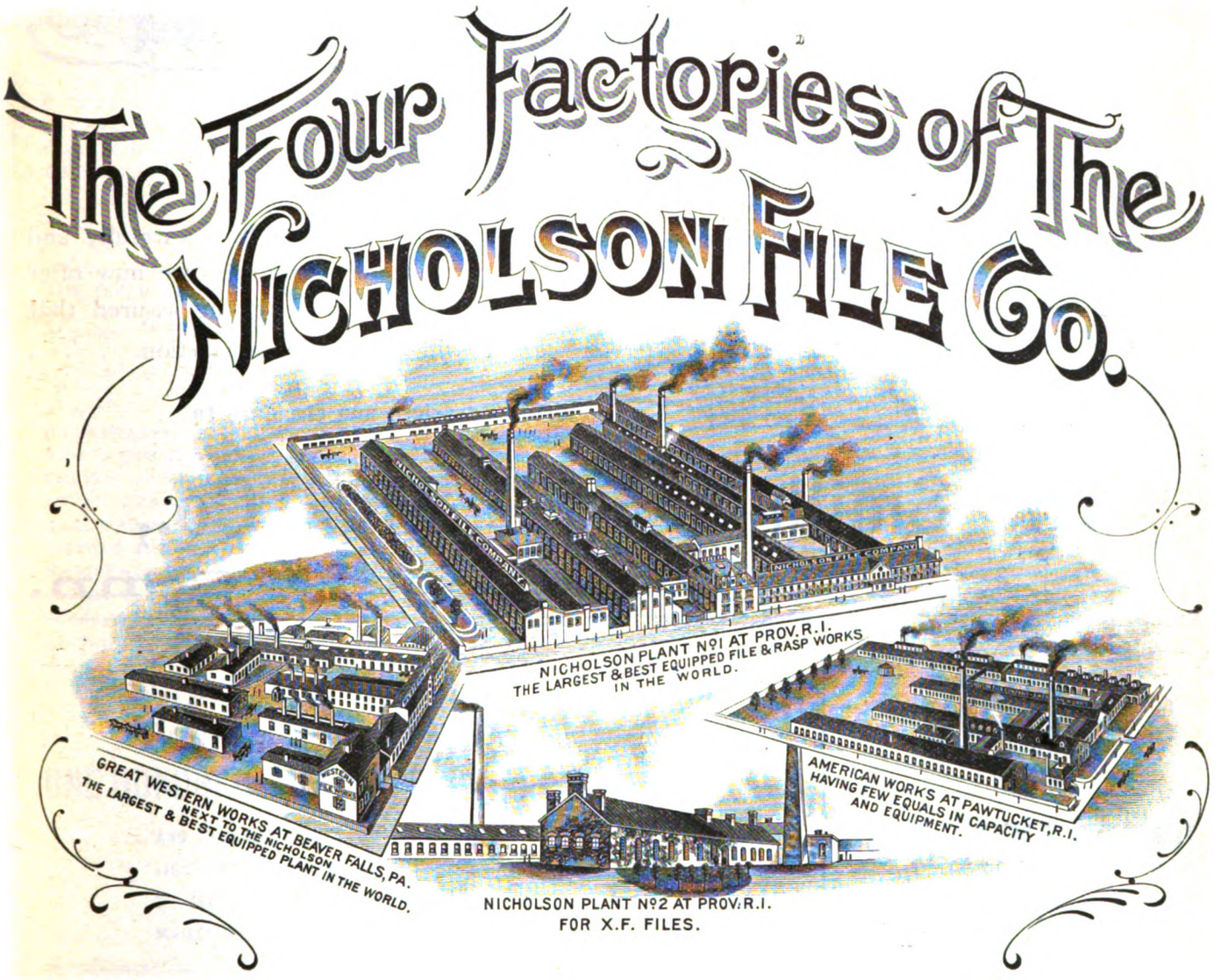
The above illustration is taken direct from a photograph of a Plate Girder Bridge, designed and built by us at Meriden, Conn. The photograph is taken from the upper side, in order to show the plate girders. The bridge has a span of 50 feet, with a roadway 30 feet wide in the clear, and two sidewalks each 10 feet wide in the clear.

Office and Works, East Berlin, Conn.

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NICHOLSON FILE CO.

Largest File and Rasp Producers in the World.



MAIN OFFICE AND ADDRESS,

CABLE ADDRESS
NICHOLSON
PROVIDENCE, U.S.A.

NICHOLSON FILE CO.
PROVIDENCE. R.I. U.S.A.

A.B.C. CODE.
4th EDITION

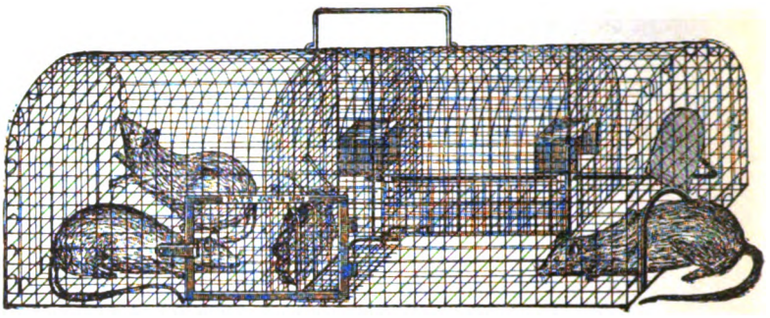
Standard Brands.

"NICHOLSON,"	Product of Plant No.	1,	Providence, R. I.
"X. F." (EXTRA FINE)	" " "	2,	Providence, R. I.
"GREAT WESTERN,"	" " "	3,	Beaver Falls, Pa.
"AMERICAN,"	" " "	4,	Pawtucket R. I.

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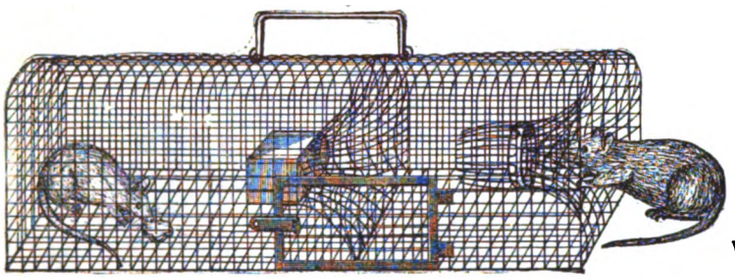
RAT AND MOUSE TRAPS.

THESE Traps are well made, strong, and well adapted for the purpose. Our claim is that they are . . . . .



"SUPERIOR."

"Superior in Every Respect."



"YANKEE."

BOTH Traps have been carefully and repeatedly tested and we now offer them to the Trade feeling assured that they will give entire satisfaction. . . .

Write for prices and circulars to

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

45 BROADWAY, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

GUTELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

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HARDWARE

VOL. XII. JANUARY 10, 1895. NO. 7.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the

HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 160 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.
DETROIT, - - - No. 10 PENINSULAR BANK BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED TO THE HARDWARE TRADE.

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WE GUARANTEE THAT THE CIRCULATION OF "HARDWARE" DURING 1896 WILL EXCEED

ONE HUNDRED AND TWENTY THOUSAND

AND THE SAME WILL BE PROVEN BY THE PUBLICATION IN THIS COLUMN, IN EACH ISSUE, OF THE POST OFFICE RECEIPTS FOR COPIES MAILED THE PRECEDING ISSUE.

In accordance with the above proposition, we will publish in this column, in our issue of January 25, 1896, a *fac simile* of the post office receipts for the copies mailed of this our issue of January 10th, 1896. These receipts will hereafter appear in each number during the year, settling the QUESTION OF OUR GREAT CIRCULATION beyond cavil or doubt.

Business Men and War.

There will be no war with England. Those patriotic Hardwaremen of America who began to get out the old muskets of 1865, and take down the swords which their grandfathers used at Bunker Hill, can peacefully lay the same away for future emergencies. It is a gratifying and remarkable fact that the business men of America have spoken upon this question, in a tone which leaves no possibility of misunderstanding as to their views and position. The great trade organizations, and manufacturers and merchants of the country, do not yield one jot or tittle to any living class of men when it comes to a matter of actual patriotism. But as a class they are not disposed to plunge the country on a downward road to disaster for mere buncombe. They are prepared to stand by President Cleveland and Congress in maintaining not only the rights of our country as against foreign aggression, but also in endorsing the Monroe doctrine to its fullest extent; but they do not believe that the proper way to live peaceably with a neighbor is to poise a needless chip upon the shoulder, and march around asking some body to knock it off.

The recent action of the New York Chamber of Commerce, to our mind, defines the position of the business men of America in exact language. They are prepared to stand by President Cleveland just so far as their duty to their country demands, but they do not believe in awakening needless antagonisms, nor in inviting a quarrel which the most plain principles of common sense and good judgment show to be entirely needless. The suggestion of the Chamber of Commerce that the matter be investigated and passed upon by representatives of the business element of the country is a good one, inasmuch as it indicates the trend of public opinion on this question, although of course a tribunal of that character would carry weight only in a moral sense. We believe that England and the United States will live together side by side a great many years without war, and that the same good sense which has come to the rescue of the American people at a critical period will also prevail in a like manner upon the other side of the sea.

The annual dinner of the New York Hardware Club has been set for the evening of February 20th, 1896, at the Hotel Savoy. The dinner committee, led by that chief among committeemen, Alfred D. Clinch, are busily engaged in preparing for a gathering which, in all its features, shall fully equal those so successfully inaugurated some years ago. The formal notices are being sent to the trade, and it is to be hoped that the response will be early and generous, as these gatherings cannot be allowed, in the very nature of things, to fall into a state of innocuous desuetude. We are certain that the Hardwaremen of this section will respond with that generous and patriotic alacrity which has always characterized them in the past. The committee promise an unusually interesting and attractive programme in the way of speechmaking, etc.

HARDWARE takes pleasure in extending to its friends everywhere a Happy New Year's greeting. Things look very bright just ahead for the business interests of the country, and we are satisfied that when the flurry which the recent foreign discussion has caused shall have passed away into the limbo of discarded and for-

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gotten things, that general business will take on a new strength, and that the Hardware trade especially will feel the good effects and reviving influences of larger sales and of better profits than has been experienced for some years past.

Annual Dinner of Sickels, Sweet & Lyon.

It is the pleasant and kindly custom of Sickels, Sweet & Lyon, the well-known Hardware jobbing firm of No. 35 Barclay Street, New York, to give their employes an annual banquet. The Hardware Club was on the evening of December 30th the scene of the sixth of these enjoyable occasions. The guests gathered at about 6 o'clock, and after spending nearly an hour in pleasant social intercourse, were ushered into the ladies' dining room, where the tables were spread. The following lady members of the hosts' families graced the occasion with their presence: Mrs. Robert Sickels, Mrs. E. S. Sweet, Mrs. Fred Simpson, Mrs. Charles D. Mills, Miss Sweet and Miss Lyon. The following gentlemen were present: Robert Sickels, E. S. Sweet, H. M. Lyon, Peter McCartee, President of the Hardware Club; R. R. Williams, *Iron Age;* E. H. Darville, *Iron Age;* Robert H. Spurgeon, *Hardware;* Ed Tolman, Otto Dederer, A. F. Spratlin, E. Bernard, H. Fuller, E. C. Hamilton, Elbert Nevins, D. C. Crocheron, J. K. Eldridge, J. Wesley Earl, Charles W. Sniffen, Allan P. Chichester, Joseph Ingoldsby, Ph. Schmidt, George W. Brown, F. Wheeler, Edward R. Hilton, A. Wilkins, John J. Canovan, Conrad Flannery, Paul Held, George O'Keefe, John Sommer, William S. Miller, B. E. Randolph, J. R. Lodar, Smith Nostrand, James Kane, W. Copeland, G. W. Whiting, Leander Wood, Thomas Burrowes, Jr., F. I. Simpson, J. G. Edwards, A. S. Gould.

The tables were arranged on three sides of a square, with a small table in the centre for the ladies, and were decorated with greens and flowers. At each plate was a tasty menu card in blue and gold and a flower for the buttonhole. The menu is here given:

OYSTERS.

Cream of celery — Consomme

Olives — Radishes — Celery

Fried smelts, tartar sauce

Mousse of jambon a l'imperial, Puree of spinach

Lamb chops, provencale

Potatoes parisiennes — French peas

SHERBET AU KIRSCH

Roast squab sur canape. Escarole salad

Savarin au rhum

Fancy ice cream — Faveurs — Mendiants

Assorted cakes

Cafe — Cigars

December 30, 1895. — Hardware Club.

During the dinner the genial hosts circulated among the company, having a kindly word for all, thus making all feel perfectly at ease. At the end of the sumptuous repast Mr. Sickels introduced Mr. McCartee, who, in a telling style, entertained an appreciative audience with his early experiences in the Hardware trade forty years ago. He said he had begun business with Wetmore & Co., at Washington and Vesey Streets, at a salary of $_.o for the first year. The close attention paid to Mr. McCartee's remarks showed that there was matter of interest and instruction in them. Mr. McCartee said that his motto in life had been "honesty integrity, hard work and ambition." He remarked that with these principles in mind any young man will succeed. He was followed in an able manner by R. R. Williams. The company then adjourned to the library and listened to songs and instrumental music, which closed an evening of great enjoyment.

Bruce & Cook's "Happy New Year."

A great many people in all parts of the country have come to look forward with pleased anticipation to the annual "New Year" greeting that Bruce & Cook, New York, have for a long time past sent forth. It has come this year, with their annual calendar and tin-plate sheet, and is full of good things as usual. "The year 1895," they say, "opened with very low prices in all kinds of metals, especially in iron and steel and their products. During the early spring there was a sharp upward turn in price of iron and steel. Nearly all goods made from them also advanced in the same proportion, excepting tin-plates. While steel billets, from which tin-plates are made, advanced from about $14.50 per ton to about $22 or $22.50 per ton, the advance in tin-plates was not over $1 to $3 per ton. The reaction in billets set in early in the autumn, and while they are to-day $2 to $3 higher than a year ago, tin-plates are somewhat lower, and are at the lowest price ever known in the history of the trade. The enormous consumption of steel in this country for building frame work, and for tin-plates, is an outlet to which we have not been accustomed, and it is not surprising that this added consumption should have stiffened the prices. Should the rates of consumption for this year increase, as may be expected with the gradual return of prosperity from the panic influences of 1893 and 1894, it would not be surprising if early in the season there should be an advance in nearly all values which have steel as a basis. The American makers of tin-plates are learning by experience how to turn out plates more like the Welsh grades, to which the consumers and dealers are accustomed, and for this reason their product is more marketable than in previous years. The capacity for production here is large, especially in the ordinary grades of coke tin and roofing, and this, added to the capacity of the Welsh works, which is equal to the world's capacity of consumption, will no doubt work to keep the prices for these goods at very low figures for some time to come. Metals: Tin, copper, lead and spelter all advanced in price during the early part of the year, but receded to figures that may fairly be called a safe basis. Our stock includes a full assortment of both American and imported tin and terne-plates and a large variety of kindred goods, such as sheet iron, zinc, solder, metals of all kinds, together with the manufactured goods used by tinners, which we shall be pleased to have orders for at the current market rates. To buy from a manufacturer you can easily get only one thing, and are often tempted to buy more than is actually needed, while from the jobber you have a large variety to choose from, can obtain as a rule just what you want, when you want it, and at prices as low as the manufacturer will sell."

1896 Bank Statement.

The following is the statement of the Importers and Traders' National Bank of New York, on January 2, 1896:

RESOURCES.

Discounts		$16,054,700.57
U. S. 4 per cent. Bonds at Par		500,000.00
Real Estate		200,000.00
Demand Loans	$2,754,454.00	
Due from Banks	1,127,140.44	
Checks and Bills of other Banks	3,477,168.31	
Specie and United States Notes	5,814,059.00	
		13,173,430.75
		$29,478,230.32

LIABILITIES.

Capital	$1,500,000.00	
Surplus	5,000,000.00	
Total Capital (Including Surplus)		$6,500,000.00
Undivided profits after paying Dividend January 2, 1896		456,847.22
Circulation		450,000.00
Deposits		22,482,383.10
		$29,478,230.32

This Bank will be pleased to receive accounts.

E. H. PERKINS, Jr., President.
E. TOWNSEND, Cashier.

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THE REAL AND THE UNREAL BUSINESS PAPER.

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

Imitation is the order of the day.

Imitators are everywhere.

The real and the unreal live side by side.

The good and the bad are neighbors.

There are trade papers which are trade papers.

There are trade papers which trade on the trade, and have nothing to trade with.

The profitable trade paper is very profitable.

First-class trade papers make money.

All first-class men are successful.

All honest men succeed.

Dishonest men try to, and sometimes do.

There are papers masquerading under the names of legitimate publications which are nothing more nor less than advertisements bound together in pamphlet form.

There are so-called trade papers which have no circulation, and which cannot get any circulation.

There are trade papers run by men who know nothing about the trade they represent.

The popular impression that all trade papers are successful, has thrown upon the market numerous illegitimate publications which attempt to float on the water which has passed, and to sail by the wind of others.

A trade paper can be three-quarters advertising, and yet be a good trade paper.

A trade paper can be half clippings, and yet be a real trade paper.

The trade paper which is a trade paper, is the paper which contains part advertising, part original matter, part clippings, and is of interest and benefit to its readers, and such a trade paper is obliged to have a circulation.

There is many a trade paper with half its circulation in the form of sample copies, but that does not seriously handicap its advertising value, for each sample copy is sent out as a means to obtain a new subscriber, and each sample copy reaches people of its trade, because it would not pay to send sample copies to folks of any other class.

The trade paper which is all sample copies is illegitimate—it has no right of existence.

The trade paper which is all clippings is not a real publication.

The trade paper which is all advertising cannot be classed in the first-class.

The trade paper which contains nothing but puffs is not worthy of consideration.

The trade paper paper which has all of its reading columns for sale, and which sells nearly all of its reading matter space, is worthless as an advertising medium.

The trade paper has a perfect right to print a paid notice. Every publication, excepting a few of the magazines, do that.

The trade paper can legitimately speak well of its advertisers—it ought to do that—the advertisers expect it.

The trade paper which speaks illy of those who do not advertise in its columns is a trade paper which has no standing, and which is worth little.

There are trade papers in the country which are nothing more or less than blackmailing sheets, which the Government ought not to transmit through the mails, and which are a detriment to the trade they represent, and to the honesty of the craft.

The legitimate trade paper, the trade paper of character, and the trade paper which pays the advertiser, is the trade paper which carries a large amount of advertising, for such advertising is as valuable to the reader as the reading columns themselves, for these pages of advertisements present pictures of progress, and tell the buyers what to buy as well as where to buy.

The legitimate trade paper contains a reasonable amount of reading matter, part of it original, and part of it copied.

The legitimate trade paper balances its advertising with its reading matter, and its reading matter with its advertising.

It prints legitimate reading notices.

It speaks well of its advertisers, but it is not a paper of puffs—it is a paper of news and comment, simply the right combination of all that which makes up a first-class publication.

Beware of the trade paper which has a different rate for every advertiser.

Look out for the trade paper which has a "Seeing-it's-you" concession for everybody.

Look out for the trade paper which does not stand on its own dignity and say to the advertiser: "My space is merchandise. If you want it, you must buy it as you buy your clothes or your shoes."

Look out for the trade paper that puffs everybody indiscriminately.

The trade paper can be known by the quality of its representatives.

First-class advertising men work for first-class papers.

Second-class advertising men work for second-class papers.

The representative of the legitimate trade paper is a gentleman—a man worthy of your confidence—when he calls he is entitled to your consideration, and should be given an audience.

It is your business to discourage the illegitimate trade paper.

It is your business to encourage, with your money and your interest, the trade paper of character, for such a paper is as much a part of your business, and is as necessary to your business, as your desks and your counters.

Copyright, 1895, by Nath'l C. Fowler Jr.

The Slate Industry.

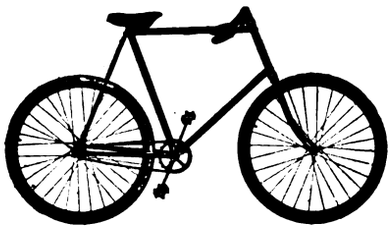
James L. Foote, manager of the Slatington-Bangor Slate Syndicate when interviewed recently, said: "The black board trade has been good throughout the season, but does not exceed that of former years. Better prices have prevailed and this branch of the slate industry has been generally prosperous and satisfactory. The school slate business has been brisk and the margin of profit greater to the producer and manufacturer than for many years. There is ground for the belief that trade in all branches will improve, and in none more than the slate industry. Already large quantities of roofing slate have been exported to Great Britain, and our manufacturers have recently received orders amounting to 5000 squares for export during the winter months with prospects of orders for several thousand squares more. This will materially help the market and create more demand and higher prices by next spring. The indications are that most of our quarries will work all winter."

H. A. Graef and George W. Hess, members of the firm of Graef & Hess, Hardware manufacturers' agents, Nos. 179–181 Lake Street, Chicago, have been among the recent visitors in New York. They came down to call upon the trade generally, and to make an especial holiday visit to the several large companies they represent in the West.

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McIntosh-Huntington Wheels for '96.

The McIntosh-Huntington Co., Cleveland, Ohio, report that their line of bicycles for 1896 will be made up as follows: Sunol, Hercules, Stella, American King and Queen of Scorchers; and will also control the Crawford line in the states of Ohio, Indiana, western New York, western Penn-

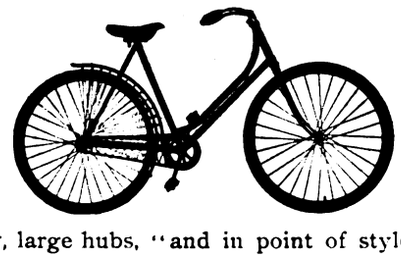


sylvania and western West Virginia; and the Belvidere line exclusively in the State of Ohio.

The Sunol Line: The Sunol Line, as in the past, will be their leading high grade machine, and will be modern and strictly up-to-date and will list at $100. They will be made in two models for men and one for ladies. Each model will be furnished in two weights; the light roadster weighing from 21½ to 23 pounds; and the roadster from 23½ to 25 pounds, according to equipment.

The Hercules and Stella Line: The Hercules and Stella will be an excellent line of wheels for '96 at moderate price. They will be made up on the very latest lines, from 1⅛ inch tubing, barrel hubs, and will be modern in every respect. They will be made with 24, 26 and 28 inch wheels, in both diamond and drop frames, and will list at $40, $50 and $60 respectively.

American King and Queen of Scorchers: The American King and Queen of Scorchers will also be an excellent machine at a moderate price, and will be made up from 1⅛-



inch tubing, large hubs, "and in point of style and finish will be equal to a great many '96 pattern high grade machines." These machines will be furnished with 28-inch wheels for both ladies and gentlemen and will list at $60.

The Crawford Line: The Crawford Line for '96 has been greatly improved, and is bound to be more popular than ever, and the list will vary according to size and quality, from $40 to $100.

The Belvidere Line: They have arranged for the exclusive control of this line of wheels for the coming season in Ohio. They say: "For those that are not familiar with it, we beg to say that this make of wheels is strictly high grade in every particular—made up from large tubing, large hubs, and is bound to be a very popular machine."

Their advance Bicycle catalogue and regular Bicycle catalogue, showing a full line of bicycles carried by them, also a complete line of sundries, will be ready for distribution in about thirty days.

In this connection we show illustrations of their ladies' and gentlemen's bicycle, of the model for 1896.

New Handles to Mrs. Potts' Irons.

From the introduction of the popular Mrs. Potts' Irons, of which the Enterprise Mfg. Co. of Pa., are the original manufacturers, they have never spared pains or expense to add to their utility and durability. After twenty years experience it has been demonstrated that the life of a set of Irons is in the handle, the stretcher or iron part of which has heretofore been made of cast iron, and if dropped, accidentally or otherwise, would invariably break. The



expense and inconvenience of this can readily be appreciated. While the handles heretofore manufactured by them have been of a superior quality, they desire herewith to call attention to the new handle which they brand "The Best." It is made of the best selected walnut, has a tinned forged iron stretcher which will not break and will last a lifetime. They consider that the handles to a set of Mrs. Potts' Irons cannot be made too good, and the price no object, when there is corresponding merit and value.

As is well known, the great competition on Potts' Irons has reduced the price so there is little or no profit to the manufacturer, and, as is usual in such cases, the tendency has been for the quality of the goods to deteriorate. They have decided, however, in no wise to detract from the quality of their "Mrs. Potts'" Irons, but, on the contrary, to make them better, and are therefore supplying all sets with "The Best" handles.

Charles E. Adams, Lowell, Mass., president of the Massachusetts State Board of Trade, was in the city several days since, a guest at the dinner given at Delmonico's on the evening of January 3rd, by the Empire State Society of the Sons of the American Revolution.

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Making Mesinger Saddles.

The accompanying cut represents the building where the now well-known Mesinger saddles are manufactured. Starting a little over a year ago to make a few saddles by hand, the demand for these has grown to such proportions, that a large and constantly increasing force assisted by the best modern machinery, can hardly keep the output in line with the requirements of the trade. To see the evolution of the raw material to the finished article, as it is shipped to all parts of the globe, is interesting as well as instructive, and although too complicated a process to go into all its details, we shall try to give a general idea how this is accomplished.

The mode of constructing these saddles can be divided into four different and separate departments, namely, the woodwork, leather and felt work, rattan work, and the assembling and packing. In the first department the cantles are cut out of selected straight grain second-growth hickory, and after having been steamed and bent to the curve required by the shape of the saddle, they are carefully shaved down to their ultimate form. After having been drilled to receive the strands of cane, they are ready for the rattan department, where they form the frame for the rattan braiding which constitutes the main part of the saddle and is its leading feature. Great care is taken in selecting the cane strand so as to avoid imperfections, which might cause annoyance to the rider, although fully covered by the guarantee on the saddle. In the leather and felt department, large rolls of ⅛-inch felt are cut out to the shape of the different styles of saddles, and large sides of both russet and black leather are likewise prepared for the power press, which gives it the shape following that of the cane bottom. The felt and leather tops having been joined and moistened before being put under the press, they are then laid on long trays and inserted in a hot air chest, having a capacity of many hundred per hour, to dry. From there the tops are transferred to another branch of this department to have the centre piece cut out, to be stitched, edged and made ready to be fastened on the rattan seat. After the metal work has been adjusted, the spring set in with the press and other minor, but none the less important, operations have been completed, the saddle is carefully inspected before being packed up and labeled.



As in any well regulated piece of machinery, one cog wheel works upon the other with the utmost accuracy and precision; so do all operations on these saddles follow each other in systematic order, all tending jointly or separately to the same end: the assembling room, where the finishing touches are put on and the saddle is sent forth on its career. All these departments are under the personal supervision of the original patentees, Messrs. Mesinger Bros., who are proud to see their invention of this saddle crowned by such astounding success.

Still Mounting That Ladder.

The Bicycle Step Ladder Co., Chicago, Ill., are still receiving encomiums from all parts of the country for their Bicycle Ladder. Some of the later ones we are permitted to quote, as follows: C. Bentford & Son, Hardware, Circleville, Ohio: "The ladders are a perfect success." The Cash Hardware store, Lewiston, Idaho: "We have the two ladders up and they work to our entire satisfaction." Taylor & Sedberry, Commerce, Tex.: "Our ladders are the talk of the town and nearer perfect than we have ever seen. They are worth several times the cost." Dr. R. W. Culver, druggist and apothecary, South Haven, Mich.: "The ladder is a perfect success in every respect. I would not do without it for three times the price." Isaac W. Buchanan, Lebanon, Tenn.: "The ladder has been set up and thoroughly tested. I think it is one of the few things that are advertised that is just what it is represented to be."

Metals Made From Alloys.

Bath Metal is made from tin and copper.

Bell Metal results from zinc and copper.

Bronze is the product of copper and tin.

Britannia Ware is made from copper, bismuth and antimony.

Cannon Metal is formed of copper and tin.

Dutch Gold is made from copper and zinc.

German Silver is composed of zinc, nickel, copper and a small portion of iron.

Standard Gold is made from gold and copper.

Copper and tin from gun metal.

Mosaic Gold is a combination of copper and zinc.

Pewter is made from lead and tin.

Sheet Metal is composed of lead and a small quantity of arsenic.

Standard Silver is made from silver and copper.

Solder from tin and lead.

Type Metal the combination of antimony and lead.

White Copper is made of copper and arsenic.

The Liberty Cycle Co. will distribute their new catalogues at the Chicago Cycle Show. This catalogue will be one of the handsomest pieces of work that will be seen on the bicycle catalogues this season, which, by the way, will be handsomer than ever. The Liberty catalogue will be in a new size to fit the top coat pocket, and will be emblematic of the American girl and the American flag—"the two things we love the best." The Chicago show spaces will be 211, 212 and 213.

The Hunt Mfg. Co., Westboro, Mass., are offering a valuable present to any of our readers who will send them a two-cent stamp and mention HARDWARE. This is no hoax, but a desirable article well worth the trouble of writing for.

HARDWARE costs only One Dollar a year.

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The Sherman Cycle Co.'s High Grade Wheels.

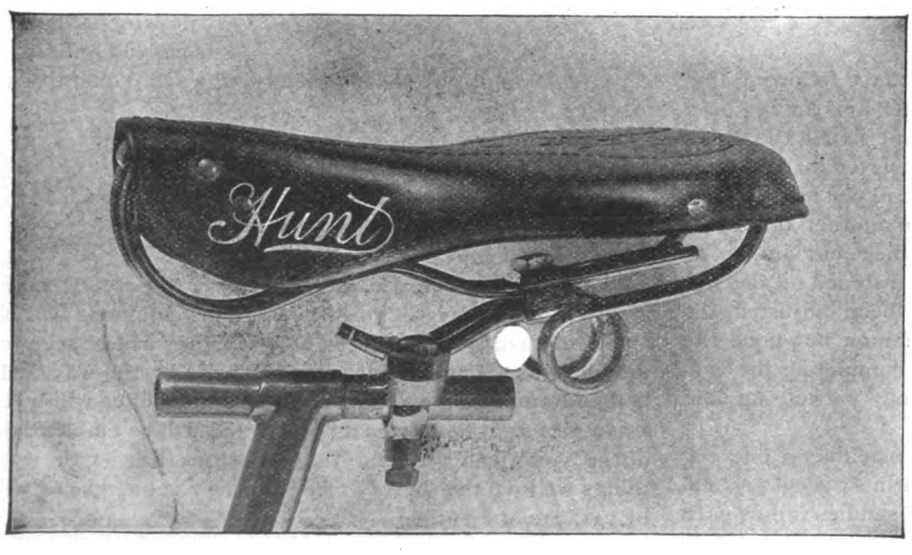
The Sherman Cycle Co. have recently moved to their new factory at Nos. 133–139 South Clinton Street, Chicago. The factory is equipped with the latest improved machinery, and with increased facilities will turn out 2000 strictly high grade wheels. The company started last May under the name of Church & Co. to make wheels in a small way,



and by using the very best make of material in connection with good workmanship, with a high finish to their wheels, made quite a hit with the trade they supplied, and especially with the riders. The '96 models of this company are just out, and include a 22-pound roadster, 22-pound lady's wheel and a double top bar tandem—very rigid, and yet weighing 37 pounds, with single chain and single steering bar. Large tubing will be used, 1¼-inch head, 1⅛-inch in frame, with ¾-inch rear stays and inch fork sides. One of the principal features of its '96 wheel will be a barrel hub with ¼-inch balls in front hub, which is turned from solid bar steel with tool steel cones and cups, has a little tube to carry the oil directly to the bearings and is dust-proof throughout. Every part of the wheel is constructed of the best material obtainable. The Sherman Cycle Co. state that it is the highest grade wheel ever offered for $75, and as good as any, regardless of price. The tandem is listed at $125.

The Hunt Ladies' Saddle.

The Hunt Mfg. Co., Westboro, Mass., have gotten out for the coming season a decided novelty in the Lady's Saddle, illustrated herewith. They announce that they "are the first concern to produce a saddle especially designed for ladies use and not adapted to men's use." As will readily be seen from the illustration it possesses ample spring to satisfy the most fastidious, and being proportionately very wide for its length, the seating capacity is unusually great. The length is 8¼ inches, the width 7½. It is recommended by the makers and "acknowledged by all who have seen it to be the Finest Ladies' Saddle in the world."



The Iroquois Cycle Mfg. Co.

The Iroquois Cycle Mfg. Co., Buffalo, N. Y., organized during the month of October of the past year. The company intend manufacturing a thoroughly high grade, first class, up-to-date machine, which they call the "Cayuga." The secretary and general manager of the concern is M. F. Dirnberger, of Buffalo, N. Y., better known as "King Michael." He has had, as all are aware, a varied experience in the bicycle business, as racing man, as travelling salesman, and also in a practical way. Not being content with his knowledge of the practical part of the business, he has associated with him R. C. Wright, of the same city, who is one of the best known mechanics in that section of the country. The factory is now running full force, and they expect to turn out in the neighborhood of 2,000 bicycles the first year. Several new and interesting features are embodied in their machine, and they have completed an interesting advance circular which they would be pleased to send to any address upon receipt of an application for the same.

Mr. Flanders of Africa.

John W. Flanders, the representative of the Lansing, Mich., Wheelbarrow Works at Johannsburg, South Africa, and who also represents ten other American manufacturing houses, is a young man, full of energy and business. Although born in Boston he has spent most of his life in South Africa, his father having been first American consul to the Cape. He is fully conversant with African commercial affairs, and naturally takes a keen interest in the business relations existing between this country and the developed part of the dark continent. Mr. Flanders, in a recent talk with a Lansing reporter, showed himself very enthusiastic over the progress of improved American implements of all kinds. He says that American made goods are fast taking the lead in South Africa, hitherto almost an exclusive market for English goods.

Charles Close, of Danbury, Conn., has discovered a new use for the bicycle. He is a musician and has the ability not only to play but make almost any sort of musical instrument. A short time ago he made an instrument that plays ten popular airs better than any hand organ heard here. Still the Danbury Yankee was not satisfied. He found that before he had wound or ground out half the tunes of his wonderful music-box he had to stop to rest his aching arm. To overcome that unpleasant feature he constructed a bicycle with a driving wheel in the place of the usual rear wheel. The m achine was made stationary by placing it in a framework and elevating the fly-wheel from the floor. A fly-wheel on the organ, connecting with the bicycle by a broad belt, did the rest. A day or two ago Mr. Close and his wife celebrated the fifteenth anniversary of their marriage, and on that occasion Mr. Close entertained his guests by mounting the seat of bicycle and playing the whole repertoire of music in his unique machine. The guests got away alive.

An improved Gatling gun operated by an electric motor and capable of firing 1800 shots in a minute has made its appearance.

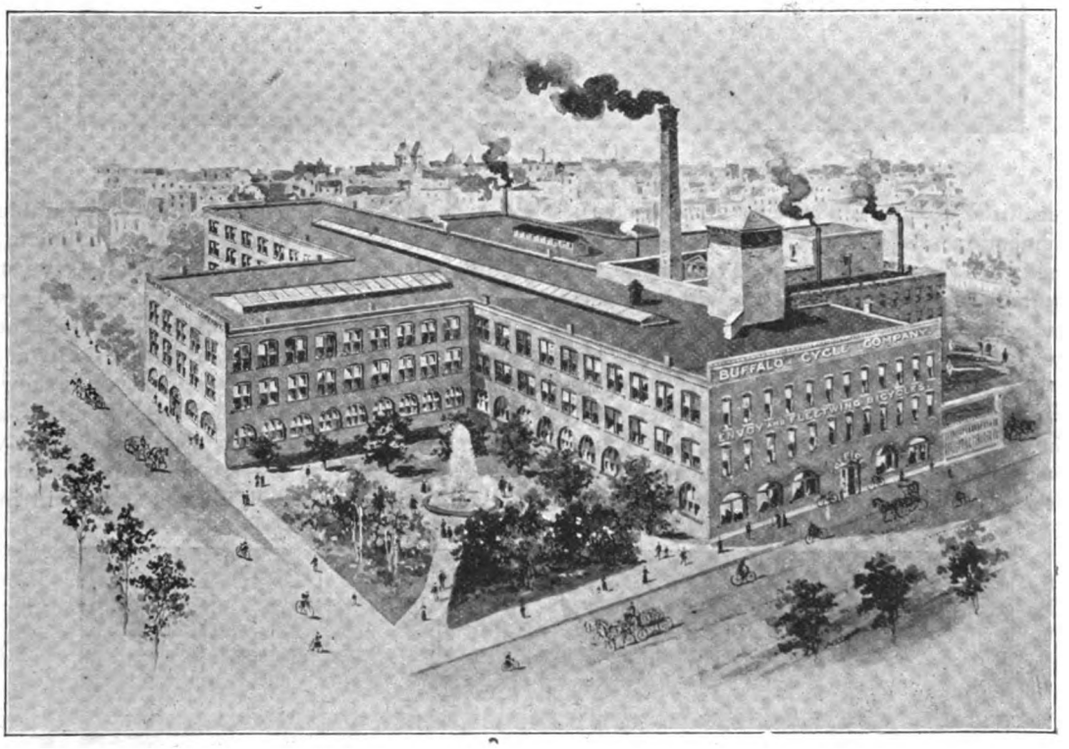
The Congressional Library possesses at present 725,000 volumes.

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Works of the Buffalo Cycle Co.

There is herewith presented a representation of the home of the "Envoy" and "Fleetwing," the new factory of the Buffalo Cycle Co., Buffalo, N. Y. It will be readily seen that this factory is calculated to hold its own with the finest and largest in the country. It is not only an exceedingly imposing structure, but has been constructed with the greatest care for the special purposes for which it is intended. The building proper, *i.e.*, the main building, has an aggregate floor space of 53,000 feet, filled with automatic machinery and lighted by electricity generated by the company's own plant. If the construction of the building is an indication of the faith which Messrs. Atherton & Funnell (the proprietors) have in the future of the bicycle business, its massive walls and the air of permanence which pervades the whole place speak volumes for future successes.

The progress of the Buffalo Cycle Co. has been truly phenomenal. Some years since they were well and favorably known under the style or title of the "Buffalo Tricycle Co.," inventors and manufacturers of the celebrated



"Gem" tricycle, upon which a trade was built up covering the whole of the States, and many important markets outside. Recognizing that the bicycle would ultimately drive the more cumbrous tricycle out of the market, they commenced the manufacture of bicycles, and immediately took a stand which was dictated, not by experience, but by judgment, the soundness of which has been amply demonstrated, and of which the present mammoth business and factory is the best evidence.

Even when the bicycle business was infinitesimal, the Buffalo Cycle Co. saw that the best chance of success lay along the line of high grade and medium prices, with a very large output as a compensating balance for the diminution in profit. The "Envoy" and "Fleetwing" now command a ready market throughout the whole of the western continent, and have invaded the principal foreign markets of the world.

To return to the building, the subject of this sketch. The sub-divisions into which the building is divided are so arranged that there is no waste of power or labor, from the reception of the raw material through to the ample quarters of the shipping clerks; labor-saving has been the principal study; no power is wasted in the useless handling of parts. The tool rooms, blacksmith shops, enameling, nickel-plating, filing, buffing, polishing and draughting rooms are all specially adapted and fitted for the particular work to be done, with the least possible waste of power or time.

With the greater facilities which the Buffalo Cycle Co. now possess, it is safe to predict that the "Envoy" and "Fleetwing" will not only hold the position they now occupy, but will take an even higher position among America's high grade bicycles.

They Endorse the Seat.

The Automatic Cycle Seat Co., Grand Rapids, Mich., still receive many endorsements as to the benefits derived from the Automatic Seat, several of which we are permitted to quote, as follows: F. M. Vrooman, Buffalo, N. Y.: "I have tried your cycle seat on my wheel and had several of my friends try it also, and they all join in saying it is the best seat they have ever tried. I think there will be a great demand for it in the early spring and think I can give you some nice orders this fall." W. G. Caffery, Reno, Nevada: "Seat to hand and must say I like it very much. Am waiting for electro-plates. Enclosed please find draft. Express six more at once. Every one sold to a doctor. Common saddle not in it yet." Fay Bros., Clinton, Iowa: "The two bicycle seats received O. K. We are very much pleased with them. As an improvement as regards bicycle seats it is a success and should prove a rapid seller wherever introduced." The Wesson-Nivison Mfg. Co., Cortland, N. Y.: "Enclosed please find check for sample seat received several days since. After experimenting two or three days we finally learned how to sit upon it, and came to the conclusion that it is a good thing."

An ingenious Frenchman has invented a contrivance to do away with the bicycle chain. It consists of a flexible steel band brazed together at the ends so as to be continuous like a band saw. Holes are punched in this at intervals to receive the teeth of the sprocket, as the chain does now. It is claimed that the new device needs but little cleaning and oiling.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the H. W. Johns Mfg. Co., at Brooklyn, N. Y., a new dryer house, which is built entirely of steel.

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The "Perfect" Shelf Boxes.

The attention of Hardwaremen everywhere is called to a line of goods that is being successfully used by the trade in all parts of the country. These are the "Perfect" Shelf Boxes, manufactured by C. P. Moore, Ravenswood, W. Va. We are permitted to present several illustrations of them in this connection. Figs. 1 and 2 show a section of shelving furnished with these boxes, adapted to general and saddlery Hardware. In Fig. 3 is found one with compartments for augers, chisels, etc. This style will accommodate several sizes of goods in the same box, and at the same time keep each size separate, and thus utilizing the entire depth of shelves, which is a great saving of space. Mr. Moore makes the boxes any size desired, to fit shelving now in use, and finishes them either in hardwood or with painted fronts. He informs us that during the past two years he has introduced and sold them in thirty-five States, and exported some, and that they have given universal satisfaction. He published an illustrated catalogue and price list, that he will be pleased to send to any one on application. In a brief description of these articles he says: "The Perfect Shelf Box solved the problem of how to keep a full stock of shelf goods in small space, and at same time display them in most attractive manner. The steel bodies take least possible amount of shelf room, and are indestructible. The lids, being steel, do not swell or shrink, but fit just right, and being fastened by simple and durable hinge they are always in order and not displaced; they fit closely, excluding all dirt, dust and moisture, and keep stock in first-class condition. The price card fastened on inside of lid is in full view when box is open, the wood ends admit of handsome finish, and samples can be easily and firmly attached. The sample holder enables you to show most goods without opening or removing box from shelf, and can be replaced without inconvenience. The largely increased sales from display of goods, and the reduction of over half the work in keeping stock in good order will in a very few months repay the comparatively small outlay in the purchase of a set of Perfect Shelf Boxes, which will transform the old-time 'ironmonger shop' into the best arranged, most attractive and interesting store in the city; one in which trade will find constant interest in seeing the multitude of

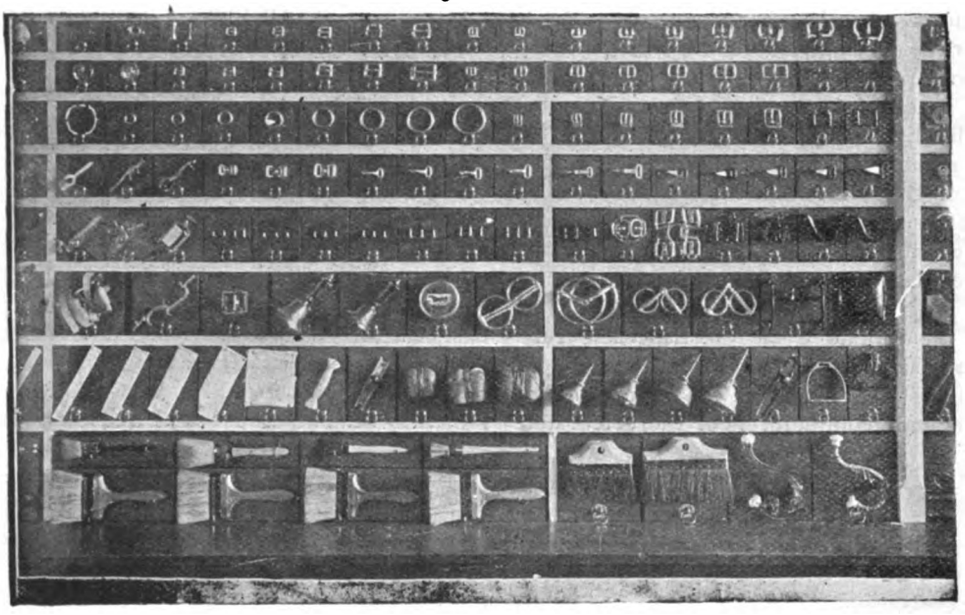


FIG. 1.

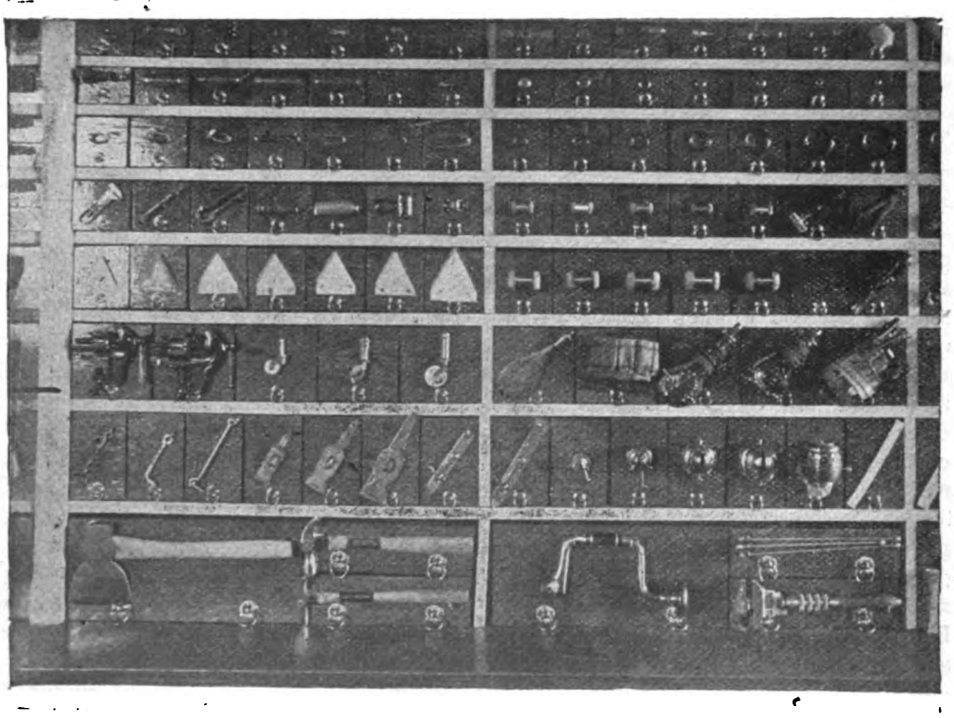


FIG. 2.

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(to them) novel and useful articles you have in stock, will cause widespread comment and then more thoroughly advertise you than any method you can adopt."

The Covert Mfg. Co.

The Covert Mfg. Co., West Troy, N. Y., are again obliged to extend their works and increase their already very large manufacturing facilities. They have just built a brick stack or chimney 180 feet high, and are putting in another immense steam boiler in order to run their powerful engines to their full capacity. This was rendered necessary, as they have recently placed in position new and improved machinery. They anticipate placing on the market several new specialties, but at present are overdriven on their regular line of goods. Their goods have become standard throughout the whole United States, and their foreign trade has rapidly increased until their goods are now shipped to every civilized country on the globe. All the goods they manufacture are made from the highest grade of materials, and are guaranteed first-class in every respect. This is one of the main reasons why their goods have become standard with the trade and are in such great demand.

The Monarch Can Opener.

The Monarch Mfg. Co., Meriden, Conn., are introducing the Monarch Can Opener. The blades are of tempered steel, nickel plated, and they work either right or left handed, cutting the top off or out of any size or shaped can. They come packed one dozen in a neat box for counter display, as shown herewith.

An Old Pair of Shears.

Edward Boss, of Troy, N. Y., has a pair of shears known to be 132 years old, and it is believed their history extends back 200 years. Mr. Boss has owned the shears since 1862, when they were given to him by Levi Hemingway, a farmer living between Hinsdale and Dalton, Mass. The shears were presented to Mr. Hemingway by another farmer in that vicinity. It is known that a cutlery shop, where such articles were made, once existed in the vicinity of Dalton and Hinsdale, and it is supposed the articles were manufactured there. Mr. Boss's attention was drawn to an article in the New York *Sun*, stating that an old pair of shears was found in an oat field near Williamstown, Mass. The shears were said to be 200 years old. The description tallied almost exactly with that of the pair owned by Mr. Boss. The shears are not unlike the present article, except being rougher in appearance. The handle was made by drawing the metal out and twisting it into loops. It is believed that the shears are such as were used 200 or 300 years ago by tailors in cutting cloth. The shears are strong, being evidently hand forged and beaten into shape. The pair owned by Mr. Boss will cut tin or wet paper.

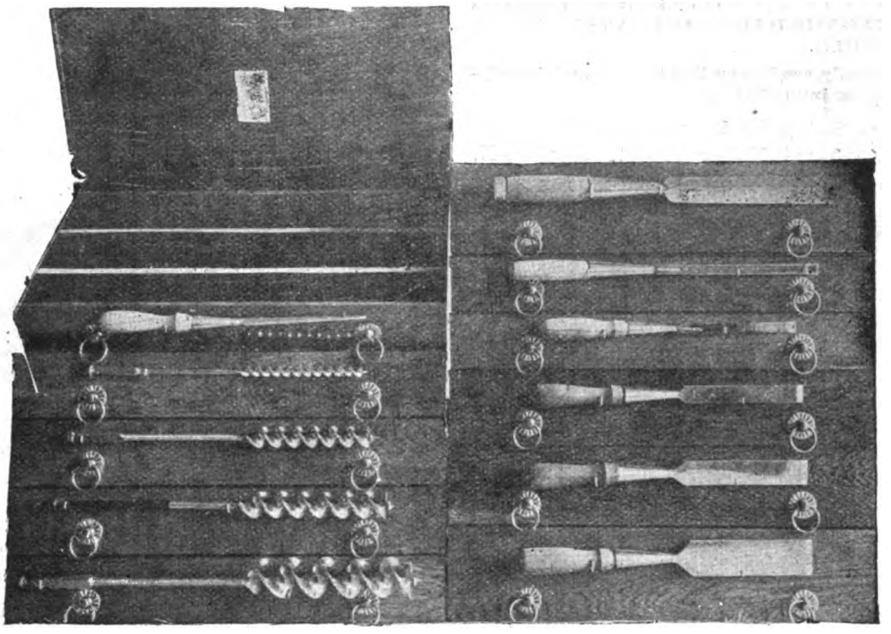
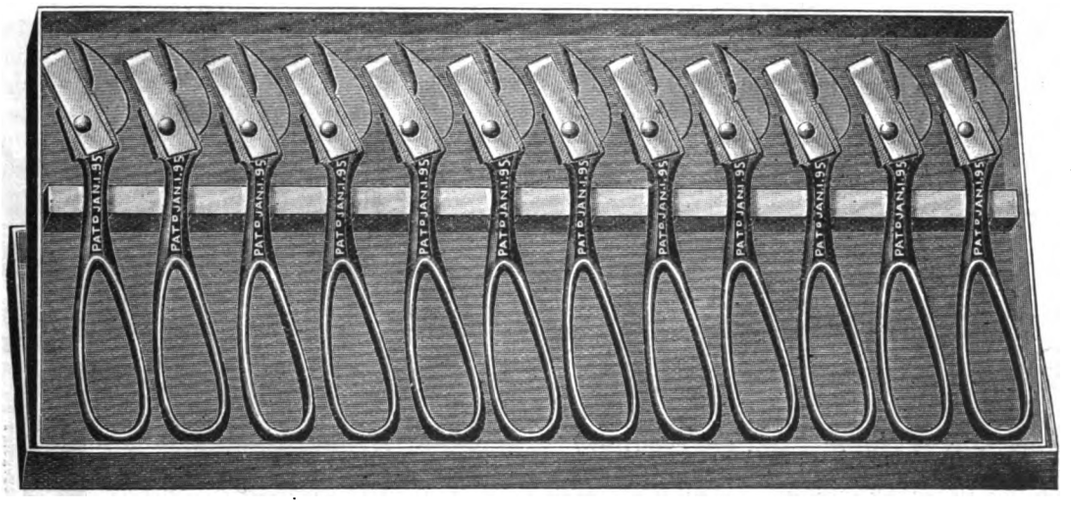


FIG. 3.



MONARCH CAN OPENER.

HARDWARE is printed for men now on earth.

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Empress Saddle for Ladies.

Butler & Ward, Nos. 226–228 Halsey Street, Newark, N. J., are placing on the market the Empress Saddle for ladies



as shown herewith. It is short, being 7½ inches in length, with a width of eleven inches. It is provided with a wood cantle and steel springs. A set screw provides a means of taking up any sag in the leather resulting from use. The company state that the construction of the saddle is such that it meets all requirements for the free and easy action of the limbs, eliminating the evils of the present style of saddle for ladies' use, and contributing to the support of the rider as well.

Heath's Combination Tool-Case Pump.

The Cycle Manufacturers' Supply Co., No. 21 Park Row, New York, are placing on the market Heath's Combination Tool-Case Pump as here illustrated. Fig. 1 shows the case used as a pump. It is 8½x1¾ inches and weighs with the tools fourteen ounces and upward. As a pump it is said to have twenty times the capacity of a small hand pump. It is described as light, compact and ornamental, being fully nickel-plated. Fig. 2 shows the tools in the case. The makers state that as a tool-case it has ample room for all necessary tools, including wrench, oiler, repair kit, cleaning cloth, tube for connecting pump to tire, etc. It is



FIG. 1.

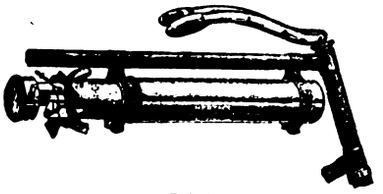


FIG. 2.

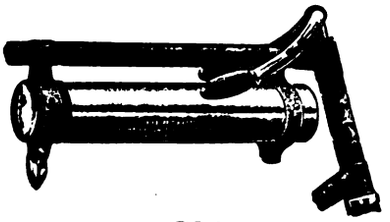
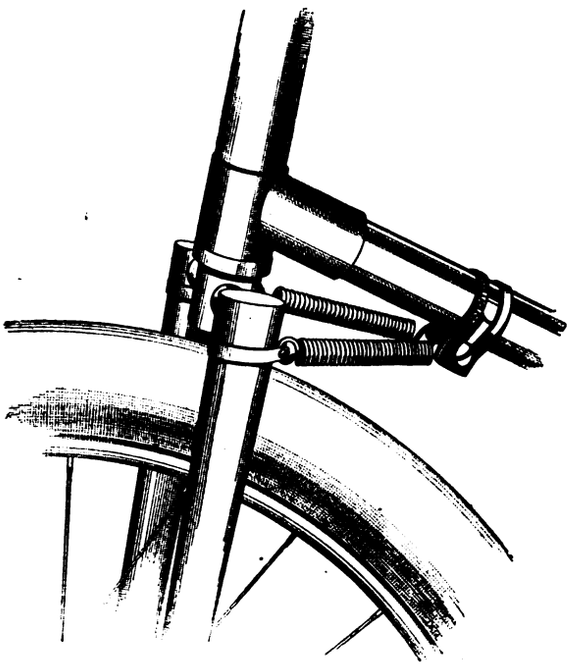


FIG. 3.

pointed out that the tools do not have to be removed when used as a pump, but that their weight adds greatly to its power, and that there is no rattle. Fig. 3 shows the case locked to the machine, which makes it thief-proof.

Automatic Bicycle Balance.

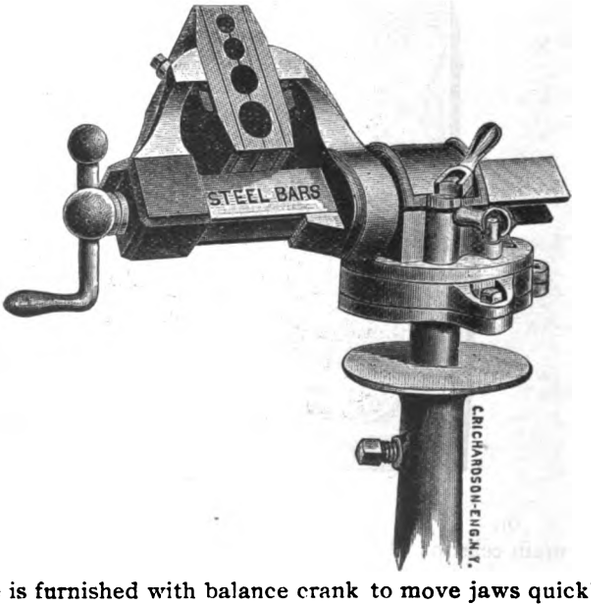
The Bicycle Chain Lightning Co., Nos. 29–33 West Forty-second Street, New York, are placing on the market an Automatic Bicycle Balance as shown in the accompanying cut. It is nickel-plated, weighing two ounces, and is adjustable to any bicycle. It is attached to the upper bar of the frame, as shown in the illustration, and is designed to balance a wheel perfectly. The manufacturers say that the balance prevents accidents, as it keeps the wheel straight ahead; that it increases the pleasure of riding, es-



pecially on rough roads; that corners and circles can be turned steadily and safely; that it gives riders confidence in their wheels, and that it makes it easy to ride with hands off the grips.

Patent Bicycle Vise.

The Lewis Tool Co., No. 44 Barclay Street, New York, are introducing the Bicycle Vise as here illustrated. The manufacturers state that the vise is made especially for holding bicycle frames, but is equally good as an assembling vise for sewing machines, gun and pistol work, and for many other purposes. It has a patent swivel bottom. The jaws are made to revolve, and be firmly held at any desired position. The slide bars are of wrought steel. The jaws are four inches wide and open 5½ inches. The



vise is furnished with balance crank to move jaws quickly, or with the usual lever as ordered. The clamp is firmly held on vise jaws, as shown in above cut. The grooves in the wood part of the clamp are made ⅝, ¾, 1 inch and 1⅛ inch in diameter, but they can be bored to any required size, and as the woods are screwed on, they can be easily

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renewed. The iron post for holding vise is made adjustable to any required height to suit workman, from 30 to 38 inches. The vise weighs 56 pounds.

Bicycle Sprocket Locks.

The Slaymaker-Barry Co., Lancaster, Pa., John H. Graham & Co., No. 113 Chambers Street, New York, agents, are introducing a line of new Bicycle Sprocket Locks as

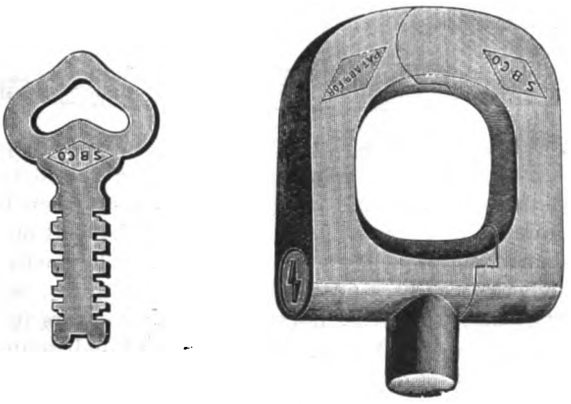


FIG. 1.

represented in the accompanying illustrations. The parts of the lock shown in Fig. 1 are accurately machine-fitted, with spring self-locking, spring opening mechanism; rolled bronze metal rod bolts formed and milled, phosphor bronze indestructible springs, with two nickel-plated steel keys, two hundred available changes, and with the exterior of

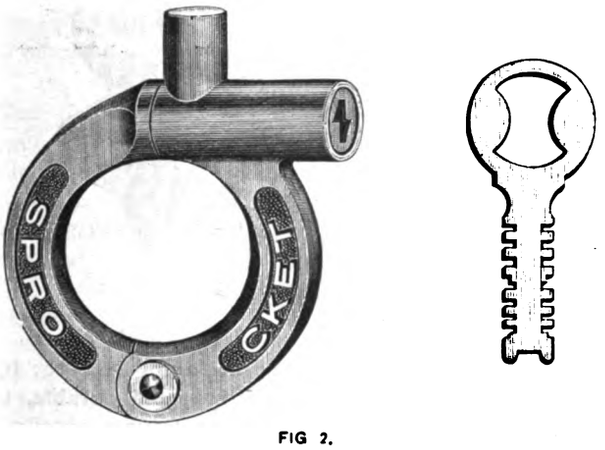


FIG 2.

the lock polished and lacquered. The manufacturers refer to the high grade of the lock as capable of resisting great strains without injury to the mechanism; also to its convenient shape for carrying. The lock shown in Fig. 2 has the same mechanism as the one already described, is high grade, with two hundred available changes, but somewhat

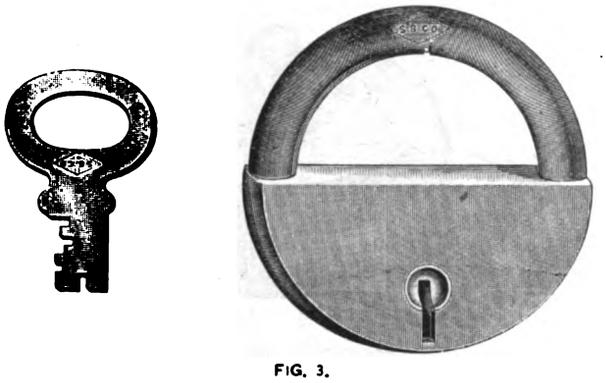
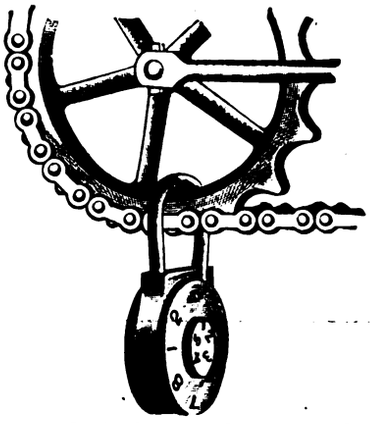


FIG. 3.

lighter. The lock shown in Fig. 3 is described as having rolled steel wire shackle, strong solid bolts, and is said to be an excellent lock for cheaper trade. The locks described are, the manufacturers remark, but three of about twenty different designs of bicycle locks made by them, including various kinds of high grades for locking machines in any way or by any part.

Combination Bicycle Lock.

The Hoffman-Packer-Carter Co., Nos. 38–39 India Wharf, Boston, Mass., are introducing the Combination Bicycle Lock here shown. It is intended to be placed on the bicycle, over the chain and sprocket, and once in place it



cannot be removed, it is stated, except by the person knowing the combination. It is further explained that it may also be used in every case where an ordinary padlock could be applied, being much safer and more trustworthy. Every lock has a different combination. The design is attractive, and it is pointed out that there is no key or chain to cause trouble. They are finished in nickel, are very light and sell for fifty cents.

The Rankin Toe Clip.

The Rankin Toe Clip Co., No. 124 Mathewson Street, Providence, R. I., are offering a new style Toe Clip as shown here. It is made of tempered steel wire, having three pieces that go over the toe, and can be adjusted to fit any style of shoe, by pressing the two outside wires together. It is adapted to either rat-trap or rubber pedals,



RANKIN TOE CLIP, NO. 5

and is said to be strong and light, weighing but two ounces to the pair. The company state that they make a ladies' toe clip in this style which they believe to be the first ladies' toe clip on the market. They come packed half dozen pairs in a box and sell for fifty cents a pair.

The Trenton Cyclometers.

The Trenton Watch Co., Trenton, N. J., announce that in 1896 they will manufacture three models of cyclometers, which will be known as models A, B and C. Model A will register 1000 miles and repeat, will weigh 2¼ ounces, and will be similar to the cyclometers made during the past year. Model B will be similar to model A, with the exception that it will register 10,000 miles and repeat. Model C will be a very small and light instrument, will weigh about 1¼ ounces, and be about 1½ inches in diameter. It will also register 10,000 miles and repeat. These instruments will be made of aluminum, will be water-proof, and very handsome in appearance. Their instruments in 1895 gave universal satisfaction wherever tried, and there is no doubt that these will make as good a record in all possible respects.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Three New Nail Boxes

The A. J. Phillips Co., Fenton, Mich., are offering the trade three New Nail Boxes as shown in the accompanying



FIG. 1.

cuts. Fig. 1 shows the "Repair," which has thirteen kinds of tacks, brads and nails such as would be most useful for household repairs. The kinds are all separate and in removable trays and the trays are in a neat box having brass hinges and brass hook. Fig. 2 represents the "Generous," which contains six compartments with six of the most useful kinds of household nails and tacks. This box has sliding covers. Fig. 3 illustrates the "Cheerful," which contains three kinds of tacks and nails in separate compartments, the box having sliding cover. They are all

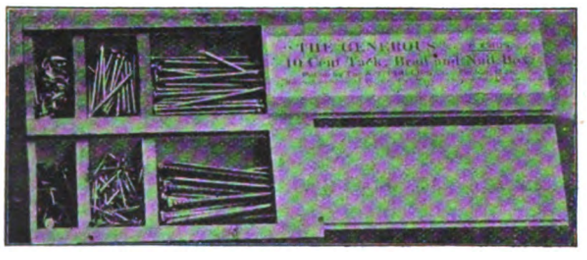


FIG. 2.

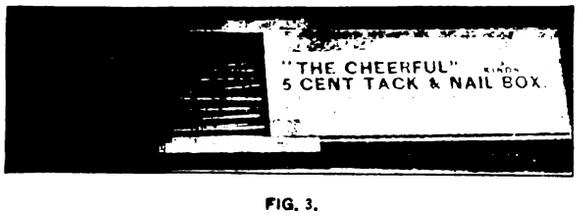


FIG. 3.

packed and labelled in shape for the trade. The manufacturers anticipate that the attractive package, the convenient assortment and popular prices will make these goods great sellers. The prices are twenty-five cents, ten cents and five cents, in the order named.

Non-Clog Rasp.

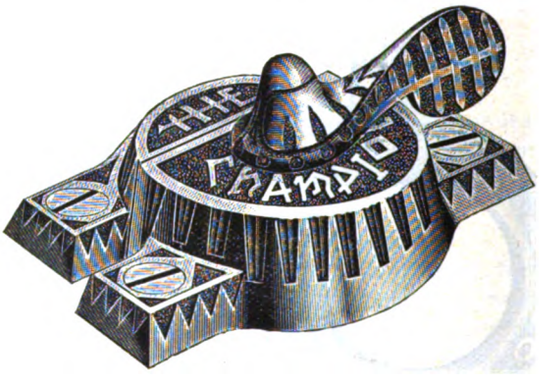
The Hoffman-Packer-Carter Co., Nos. 38-39 India Wharf, Boston, Mass., are putting on the market Non-Clog rasps as herewith shown. They are hand cut, of a fine grade of



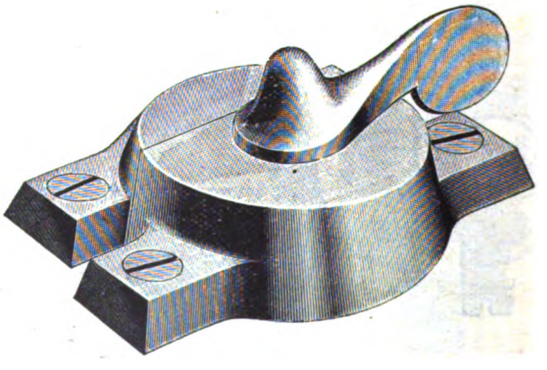
steel, the tool used for cutting being similar to a prick punch, resulting in circular depressions and raised teeth. The makers claim that the rasps will not clog when filing aluminum, brass, copper, lead, babbit and other soft metals, or when filing bone, wood, hoofs, etc. The rasps are adapted to the use of plumbers, coppersmiths, wheelwrights, pattern makers, horseshoers and workers in soft metals. Rasps are furnished both flat and half round, in 6, 8, 10, 12 and 14 inch sizes; also in 14 inch tanged horse rasps.

Champion Improved Locks.

The Champion Safety Lock Co., of Cleveland, O., are placing the Champion Improved Meetingrail lock upon the market. This lock combines new points of merit with the essential features of the "Champion" which they have been successfully manufacturing for the past eight years. Some



of the points of merit of the Champion Improved are: It is simple, having but five parts. Strong and durable, the working parts being of malleable iron. Operates easily, as it adjusts the sash and draws them together successively. Locks securely, as it locks the window and locks itself automatically. A special feature of the Champion Improved is that the knob is the highest point of the lock, thus preventing damage to the upper casing when the window is thrown up. These locks are made in three sizes, all popular fin-



ishes and any special finish desired. Catalogue for 1896 will be furnished upon application to the Champion Safety Lock Co., Cleveland, O.

Garlock's Water-Proof Hydraulic Packings.

The constant demand for a packing for the plungers and pistons of pumps, pumping and hydraulic machinery induced the Garlock Packing Co. to produce a packing which would meet all requirements. After many years of experiments and at a considerable expense they have, they

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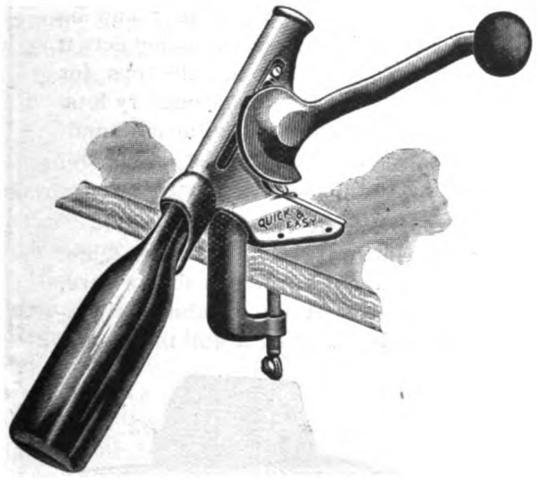
state, succeeded in producing a water-proof hydraulic packing which will answer all purposes. This packing is the outcome of numerous experiments and practical tests in the water ends of pumps, plungers, pump pistons, hydraulic elevators and hydraulic machinery. The manufac-



turers state that they have produced a first-class water-proof packing for light or heavy duty, made of the best flax and thoroughly lubricated with a water-proof compound which is strictly free from acid. This packing is made in all sizes up to two inches. They further state that heretofore the best rawhide hydraulic packing answered its purpose well for a time, but soon became water-soaked and soft from the use of oils, losing its strength, and piston plungers were sure to leak badly, requiring constant repacking. This packing is intended to resist excessive pressure and retains its solidity. One of their principal claims for this packing is that it is absolutely water-proof and oil-proof.

Walker's Quick and Easy Cork Puller.

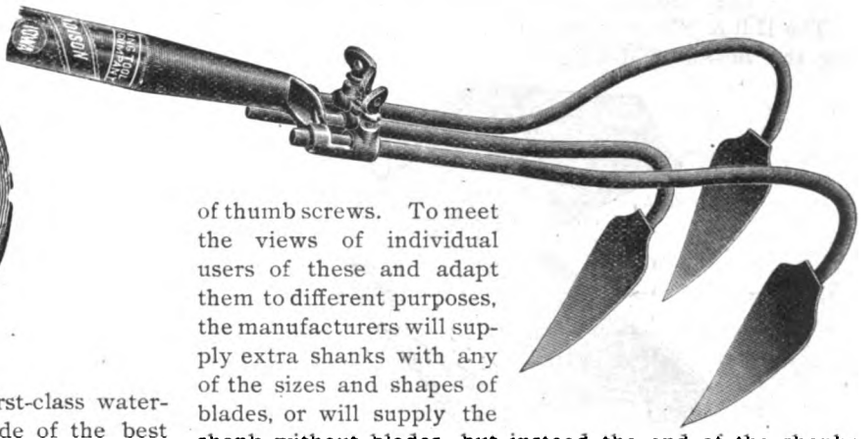
The Erie Specialty Co., Nos. 345-351 West Twelfth Street, Erie, Pa., are offering their Quick and Easy Cork Puller in an improved form, as here shown. The extension of the mouth of the machine is designed to make a centering and gripping device to hold the bottle in line with the screw and to thus prevent all possibility of breakage of the bottle or screw by coming in contact with each other. One movement of the lever forward draws the cork and the reverse movement throws the cork off and places the lever back in position. It is explained that owing to the angle of the base only a slight pressure is required to hold the bottle in place while the cork is being drawn. It is provided with a crown and seal lifter attachment conveniently placed at



one side of the puller, this feature being referred to as a valuable addition. The machine is finely finished in nickel, and the manufacturers state that it is strongly constructed in every part; that each screw is subjected to a severe test, and that the nut in which the screw works is made of a superior composition, giving lasting and wearing qualities.

The Victor Garden Cultivator.

The accompanying illustration shows the "Victor" Garden Cultivator, put on the market by the Iowa Farming Tool Co., Fort Madison, Iowa. This is an adjustable cultivator, which the manufacturers say is graceful in lines, mechanically true in proportions, fit and workmanship. The socket head is of malleable iron, the shanks and blades are steel and can be adjusted to suit the operator by means



of thumb screws. To meet the views of individual users of these and adapt them to different purposes, the manufacturers will supply extra shanks with any of the sizes and shapes of blades, or will supply the shank without blades, but instead the end of the shanks flattened and painted in similar but smaller shapes and sizes.

"Quick as a Wink" Hose Coupling.

W. J. Clark & Co., Salem, Ohio, are putting on the market the Hose Coupling, illustrations of which appear here. The makers state that the coupling itself is simple in construction, no delicate parts to get out of order, and will stand rough usage and severe strain. It has now been in actual use, not only by fire departments, but in private use on lawn hose for more than a year and has been subjected to the most severe tests without any indication of failure. Fig, 1 shows the coupling all ready to connect. To effect a connection the two parts are brought together and the head of that on the left will force the clamping jaws outward in opposite directions against the tension of the spring. The moment the grooved portion is opposite the outer ends of the jaws they will close around the head, and the inwardly projecting edges of the outer ends of the jaws will engage with the shoulder groove and it will be securely



FIG. 1.



FIG. 2.



FIG. 3.

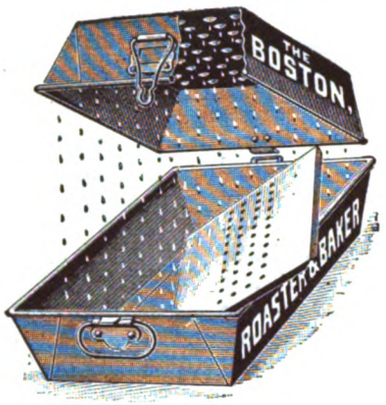
coupled. The connection is made water-tight by means of the rubber tube shown inside of the jaws attached to the portion on the right. Fig. 2 shows the coupling connected. The coupling is disconnected by inserting a flat key in the slot between the two jaws. In regard to garden hose, it is so simple that it has been well said that it is only child's

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play to hitch on the water supply or to put on nozzle or sprinkler. It is remarked that there is no trouble about leaky joints with this arrangement, and anyone can couple or uncouple hose by this method in a moment.

The "Boston" Baking and Roasting Pans.

The Hill & Whitney Mfg. Co., Boston, Mass., are offering the Boston Self-Baking and Roasting Pans as shown



by the accompanying cut. The superiority of the pan is claimed to be in the theory that anything cooked in a utensil where the steam is kept in as much as possible, is much sweeter and more nutritious than when cooked in any other way. The makers state that the indentations in the top of the pan as seen in the cut make self-baking positive. It is also said to possess all the advantages of other pans, that its simplicity of construction enables the user to adjust and handle it readily, and that it is durable and easily cleaned.

Myers' Bucket Spray Pumps.

F. E. Myers & Bro., Ashland, Ohio, are offering the trade the Bucket Spray Pumps shown in the accompanying illustrations. Fig. 1 shows a bucket spray pump made of brass with ball valves, and the handle and foot-rest of malleable iron. It is pointed out that all the work is done with the down stroke of the handle, that it can be operated with great power, that it has more air chambers than is

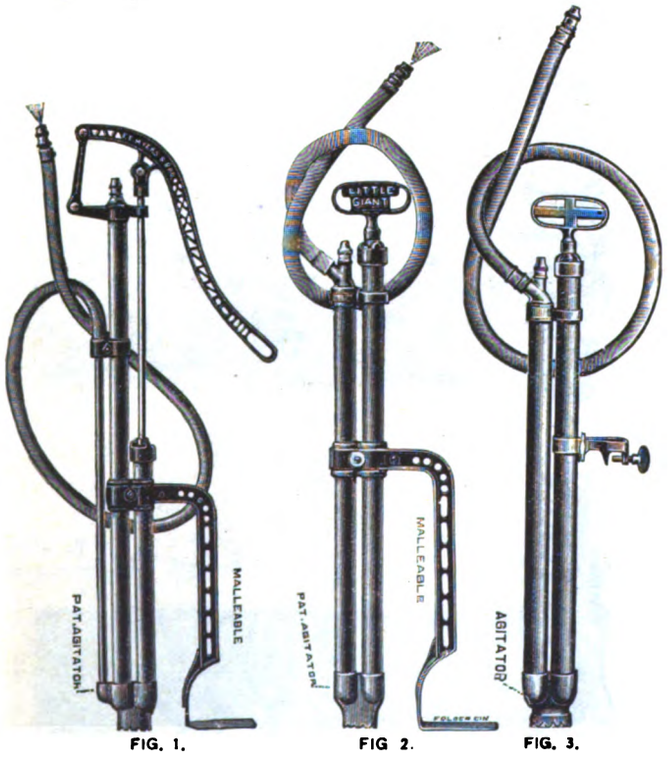
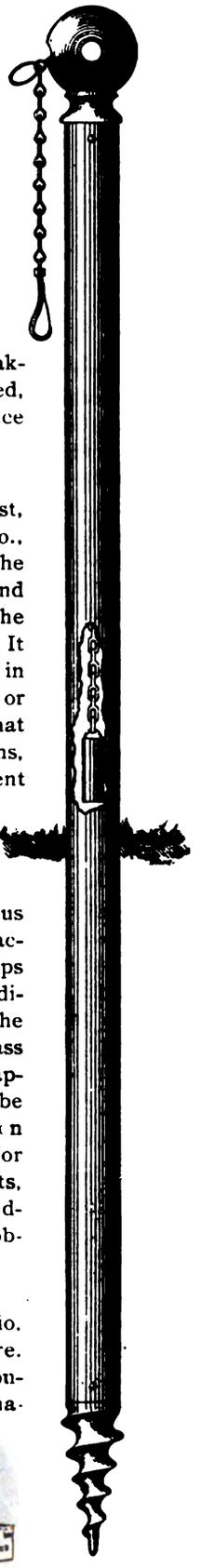


FIG. 1. FIG 2. FIG. 3.

usual in bucket pumps, and that it has all the advantages of the barrel and bucket pump combined, while it is sold at a moderate price. The pumps shown in Figs. 2 and 3 are similar, excepting that Fig. 2 is provided with a malleable iron foot-rest and Fig. 3 has a clamp which attaches to the top of the bucket or tub. The pumps are constructed entirely of brass and are so arranged, it is explained, that the labor of pumping is done on the down stroke and nothing on the up stroke; that they are provided with large air chambers and have ball valves at the bottom between the cylinder and air chamber, whereby the pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray and may not be affected by the movement of the plunger. All the above described pumps are arranged to discharge a fine jet in the bottom of the bucket, to keep the solution thoroughly mixed and agitated, a feature, it is stated, peculiar only to the pumps manufactured by the firm. The pumps are provided with sprinkler for flowers, and with the Myers centrifugal nozzle, which will throw a fog spray. The pumps can also be equipped with the latest improved Vermorel or Bordeaux nozzles, and an eight-foot pipe extension can be attached to the pumps when desired. The makers state that they have been thoroughly tested, that they are neat and attractive in appearance and are highly finished.

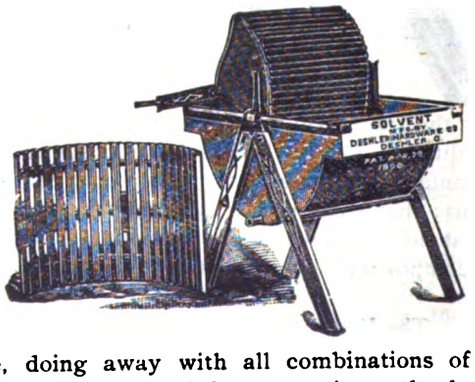


The Ohio Hitching Post.

We show herewith the Ohio Hitching Post, manufactured by the Ohio Hitching Post Co., Norwalk, Ohio. The cut shows very clearly the clean cut, handsome appearance of he post, and also the ingenious construction by which the slack in the chain is taken up automatically. It is pointed out that no tie strap is necessary in hitching a horse to this post, yet the halter or strap may be used if desired. It is stated that it is very durable, all parts, including the chains, being treated by a special process to prevent corrosion. As can be seen by the cut, it is ready for driving into the ground, thus avoiding the digging of a post-hole for its reception. These posts are made singly and also in groups of two and three with cross bars, thus comprising hitching post and guard rail for placing in front of stores, churches, etc. The tops of all the posts (they are made in different diameters) are proportionate to the body, and the part above ground is painted a good glossy grass green, and is said to be neat and tasteful in appearance. The company's No. 1 post can be used, omitting the hitching chain, in connection with a long chain strung through the tops for enclosing parks, public grounds, cemetery lots, etc., and makes an exceedingly useful and handsome fence. Circulars and price list can be obtained by writing to the address given above.

The Solvent Washer.

The Deshler Hardware Co., Deshler, Ohio, are offering the Solvent Washer as shown here. The makers remark that the machine is constructed on new lines, being a full metal ma-



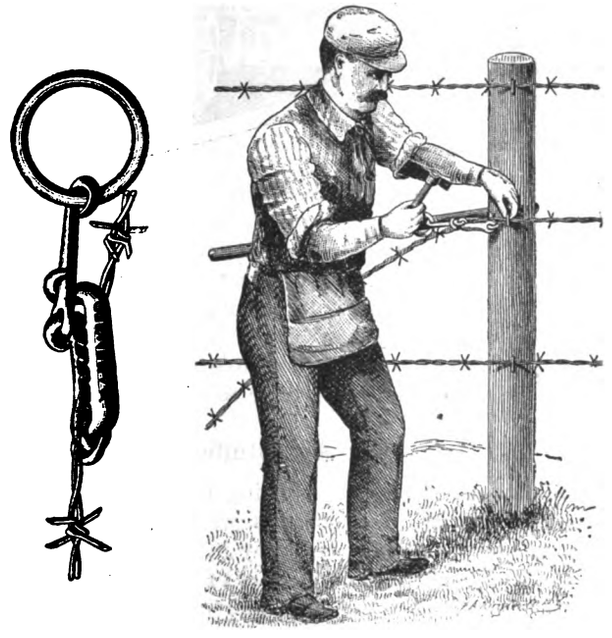
chine, doing away with all combinations of wood and metal. "This alone," they say, "is worth what other ma-

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chines cost as we obviate the difficulty of wood decaying in the bottom of the machine by holding dampness from one wash day to another. It is recommended for neatness, durability and faculty for cleaning clothes." It is pointed out that the mode of removing the bottom from the machine makes it very easy to clean, leaving it free from endless complications, and free from bad smell arising from decaying soap suds clogging behind the slats or bottom. This, in itself, is valuable to one desiring a machine suitable to the use of laces and fine fabrics, going far to remove the dread of wash day. It is further stated that any wringer will fit the machine; that they cannot swell or get loose and leak, are easily worked and will wash clean, and are easily handled, only weighing forty-five pounds.

The Grip Wire Stretchers.

W. C. Heller & Co., Montclair, N. J., are placing the Grip Wire Stretcher upon the market with great success, and from its reception at the hands of the trade feel justified in speaking of it in high terms. They explain that it is made of malleable iron, is strong, will not slip, and will hold any kind of fence wire. "The harder you pull," they say, "the tighter it holds." They also point out the fact that it will



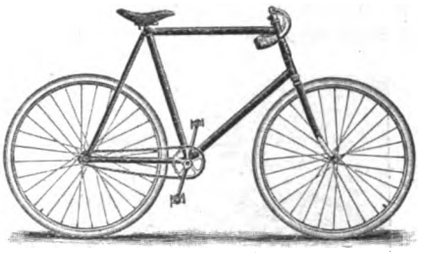
stretch poultry netting. It is sold at $3 per dozen, with a discount which they will be pleased to quote to the trade. We show herewith the article itself, and also its method of use.

J. Leonard Varick, of the Union Nut Co., and secretary of the Hardware Club, salled for Southampton, Eng., on the American Line steamer *St. Louis*, on December 31st. Mr. Varick was accompanied by his wife. After reaching England, they will spend a couple of days in London and then ship on the steamer *Nile* for Buenos Ayres in the Argentine Republic, where Mr. Varick expects to remain for some time. The trip from England to Buenos Ayres will consume about three weeks. The steamer touches at Cherbourg, France, Vigo, Lisbon, Portugal, Pernambuco and Rio de Janeiro, Brazil and Montevideo, Uruguay. Mr. and Mrs. Varick hope to be back within six months.

The American Clock Co., Nos. 14 and 15 Tremont Row, Boston, elsewhere call the attention of bicycle manufacturers and Hardware dealers who handle bicycle scorchers, to the American Cyclometer, which is manufactured only by Wilson Bros., the famous jewelers of Boston. They show that it is easily read from the saddle, does not get out of order if run backward, and can be depended on. They will willingly supply further information upon application.

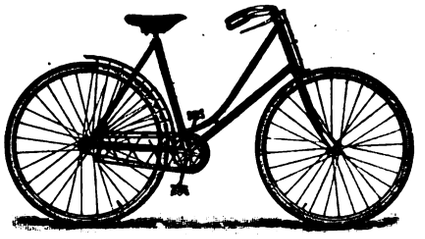
A. M. Scheffey & Co.

A. M. Scheffey & Co., No. 92 Reade Street, New York, are now sending out their 1896 catalogues, and also sam-



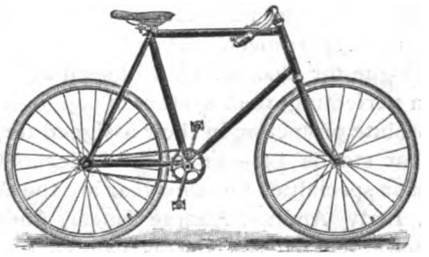
WYNNEWOOD, "M."

ples of their 1896 bicycles. The catalogue describes in detail all the points of the machines, which are materially



WYNNEWOOD, "L."

improved, while prices remain practically the same as last year. Only one model lists at $100—Model R—but this is



WYNNEWOOD, "B."

a beauty, elegantly finished and weighing about twenty-one pounds. Either M. & W. Quick Repair or the Hart-



WYNNEWOOD, "C."

ford Single Tube Tire is used. There is a choice of handle bar and gearing. Other models are here shown, and are:

Wynnewood M, weight 22 pounds. Price $75.
Wynnewood L, weight 24 pounds. Price $75.
Wynnewood B, weight 24 pounds. Price $60.
Wynnewood C, weight 25 pounds. Price $60.

Scheffey & Co. are booking large orders for Miller's Bicycle Lamps, for which they are sole United States agents. They have just accepted the sole United States agency for Brampton's English Saddles.

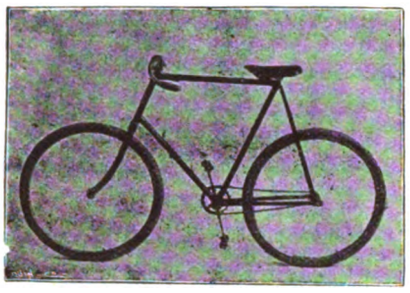
Ryan & Neefus, No. 75 Chambers Street, New York, have been appointed general agents for domestic and export markets for the sale of Peck's celebrated Axes, Hatchets, Mattocks, Adzes, etc. They will keep a full line of these goods in stock, and all orders will be filled promptly.

Rice Lewis & Son, Ltd., Toronto, Canada, have secured the sole control for Canada, of the United States Cyclometer, United States Odometer and the United States Detachable Lamp Bracket, manufactured by the United States Mfg. Co., of Fond du Lac, Wis.

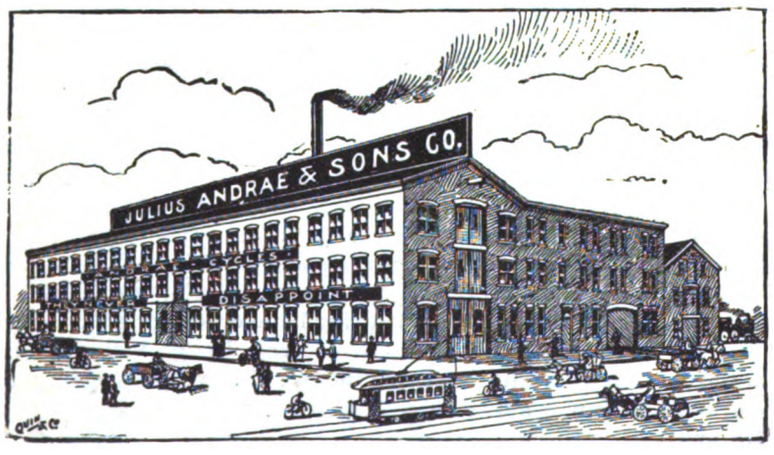
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The Andrae Cycle Works.

The Julius Andrae & Sons Co., makers of the Andrae cycles, with office at No. 225 West Water Street, Milwaukee, and works at the corner of Clinton and Florida Streets, are making a special push this year upon their line



of well-known and successful goods. We are permitted in this connection to present a cut of their great factory at Milwaukee, and illustration of one of their wheels. This company have grown rapidly, and been compelled to seek larger quarters because of the extension of business. They have recently moved into their new works, as herewith shown. This new factory has been arranged to suit their ideas, and to give room for all branches of building bicycles, on a much larger and more satisfactory basis. Large additions have been made to their equipment, and the best mechanics obtainable been engaged, and they feel that their facilities for the manufacture of Andrae cycles are first-class in every respect. They have prepared a handsome catalogue for 1896, which will soon be issued. They have been perfecting their system of agencies, and assure agents absolute protection in their assigned territory. They exhibited at stands 251–252 in the Chicago Cycle Show. Among their specialties for this year are the Andrae Light Roadster, Lady Andrae, Andrae Racer, Andrae Tandem combination frame and the Andrae Tandem diamond frame, some of which have been already described in these columns. In their preliminary announcement concerning their intentions for 1896 they speak as follows: "Ever pressing forward and maintaining a course of intelligent advancement, we are enabled to present an outline of what the '96 Andrae line will be like. As ever, there is but one grade of Andrae Bicycles. When you get that, you get the best that can be made. There is no substitute for it. There are no subaltern grades to bait the fancy of some



buyer who can't be quite convinced of the wisdom of the old saying, 'the best is the cheapest.' It is simply inviting disaster to deprive yourself of that which it is a real economy to possess. A bicycle cannot be cheap unless it is good. In making our announcement for 1896 it is with a great degree of satisfaction that we confess to you that we have exerted ourselves to the utmost and are ready to place before you specimens of cycle constructon which bear evidence of the high mechanical ingenuity, painstaking care and thought, that is liberally spent upon them."

For Family Use.

The Family Cobbler is an article that naturally interests the Hardware trade, as it is one that will come handy in any family that can be persuaded to make a trial of its use. This is a complete outfit of tools and materials for general family shoe repairing, and we are assured by the manufacturers, Brandenburg & Co., Chicago, that they have met with very great success in the introduction of this article; that during the past season, which was their first, they sold very freely all through the United States and also in Great Britain. They add that their principal distributers are "the jobbing Hardware houses; that those who took hold of them early in the season were frequent buyers during the entire remainder of the time; that even during the dry season orders have continued to come in far beyond their most sanguine expectations. They are confident that the general demand during the coming season will many times exceed that of the past, and that the jobbers generally acknowledging this probability, are making ample pro-





vision to promptly meet this increasing demand which is sure to result from their introduction thus far, and from the liberal advertising, they will continue, as in the past, to do."

They are also sole proprietors of the Bonanza Half Soles, which are especially adapted to the country merchant's trade. These, too, are being handled principally by the Hardware trade and with great success. Further particulars will be found on page 66 of this issue.

Six Art Studies.

The Sickels, Preston & Nutting Co., Davenport, Iowa, are remembering their friends with a handsome holiday present, and HARDWARE is happy in finding itself on that list. It is a handsome collection of pictures upon heavy paper, bound by a silken cord, and bearing the title "Six Art Studies in copper etchings, from recent paintings." The subjects are from the finest work that has been recently produced, and the work is artistic and attractive in the highest degree.

A. N. Lightfoot, dealer in wholesale Hardware, Opelika, Ala., died on December 24th. The business was established in 1870, and under Mr. Lightfoot's efficient management, has been carried on with no small degree of success. It will be continued as before.

M. C. Nicholson, who has been Southern agent for Landers, Frary & Clark for the last ten years, has accepted the Southern agency for Alfred Field & Co., No. 93 Chambers Street, New York, to travel especially in the interest of the Joseph Rodgers & Sons' goods.

The Detroit Stove Works, manufacturers of the Jewel stoves and ranges, with offices in Detroit, Chicago and Buffalo, are sending their friends a neat little pocket memorandum book for 1896, which is bound in morocco, and is a very convenient and handy article for the purpose named.

HARDWARE'S "Prices Current" are reliable.

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American Screw Co. List.

Under date of January 1, 1896, the American Screw Co., Providence, R. I., announce the following discount sheet, and call attention to the changes in discounts on Flat Head Iron and Brass Wood Screws, Drive Screws and Hand Rail Screws:

WOOD SCREWS.

	Description.	Disc't.
Iron.	Bright, Flat Head	85%
"	" Round and Oval H'd.	75%
"	Forged, Flat Head	85%
"	Drive	87½%
"	Blued, Flat Head (add 5 per cent. to net amount of invoice)	85%
"	Blued, Round Head	75%
"	Felloe, Flat Head	75%
"	Pinched Head	75%
"	Japanned, Flat Head	75%
"	" Round Head	70%
"	Tinned, Flat Head	75%
"	" Round Head	70%
"	Lacquered, Flat Head	65%
"	" Round Head	60%
"	Bronzed, Flat Head	65%
"	" Round Head	60%
"	Brass Plated, Flat Head	65%
"	" Round Head	60%
"	Copper Plated, Flat Head	65%
"	" Round Head	60%
"	Nickel-Plated, Flat Head, Burnished	75%
"	Nickel-Plated, Round H'd, Burnished	72½%
Iron.	Silver-Plated, Flat Head, Burnished	50%
"	Silver-Plated, Round H'd, Burnished	50%
Brass.	Flat Head	85%
"	Round and Oval Head	75%
"	Lacquered, Flat Head	65%
"	" Round Head	60%
"	Bronzed, Flat Head	65%
"	" Round Head	60%
"	Silver-Plated, Flat Head, Burnished	50%
"	Silver Plated, R'd Head, Burnished	50%
"	Nickel-Plated, Flat Head	66⅔&6%
"	Nickel-Plated, Rd. Hd.	66⅔%
Copper.	Flat Head	65%
"	Round Head	60%
Bronze.	Flat Head	80%
"	Round Head	75%
Phosphor Bronze.	Flat Head	60%
"	" Round Head	55%
For Export.	American List	85%

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Delivery, f. o. b., wharf or depot in Providence. Freight paid, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

MISCELLANEOUS GOODS.

Description.	Disc't.
Machine Screws.	
Iron, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Brass, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Milled Machine Screws	
Cap Screws, for Locks, Iron, blued	80%
Side Knob Screws, Iron, blued	80%
Taps, for Machine Screws	65%
Tire Bolts, Norway Phila	75%
" Eagle Philadelphia	80%
" Bay State	67½%
Sleigh Shoe Bolts	80%
Stove Bolts, Flat Head	67½%
" Flat H'd, Annealed	67½%
" Round Head	67½%
" Nickel-Plated	
Stove Rods	67½%
Sink Bolts	67½%
Pointed Wires	60%
Tapped Nuts	
Coach Screws	80&5%

Description.	Disc't.
Norway Rivets.	
Ordinary, in Bulk	60%
Coopers, "	60%
Thousand, "	60%
Thousand, in Papers	60%
Block and Carriage, in Papers of 100	60%
Hame	60%
Belt, with Burrs	60%
Norway Qual. Bay State Rivets	70%
Soft Steel Rivets (3-16 and larger 1 inch and longer)	70&10%
Burrs, for Rivets	60%
Hand Rail Screws	75&10%
Dowel Screws	80%
Winged Screws	80%
Standard Penny Wire Nails. Pittsburg prices.	
Dowel Pins, Barbed and Plain	
Miscellaneous Wire Nails. 1, 5 and 10 lb. packages	
25 and 50 lb. Packages and 100 lb. Kegs	
Special Goods	

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid, except on Wire Nails, on shipments of over 100 pounds, to principal cities on or east of Mississippi River, where the rate does not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

SPECIAL NOTICE.

Changes have been made in the following Lists and Tables since the issue of our 1892 Catalogue; the revisions now in force bear the dates here specified:

Page 18	Iron Machine Screws	Date, Aug. 1,	1894
" 19	Brass Machine Screws	" Aug. 1,	1894
" 34	Iron Rivets in Bulk	" Nov. 1,	1894
" 35	Thousand Rivets	" Nov. 1,	1894
" 36	Block and Carriage Rivets, and Burrs	" Nov. 1,	1894
" 37	Hame, Coopers', and Trunk Rivets, and Belt Rivets and Burrs	" Nov. 1,	1894
" 45	Standard Penny Wire Nails	" July 10,	1895.

Printed sheets, for insertion in the Catalogue, will be furnished upon application.

The Yost "Falcons" for 1896.

The four wheels shown in the accompanying illustrations are from the factory of the Yost Mfg. Co., Toledo, Ohio, and comprise their line of models for 1896. Model No. 9 is constructed of 1⅛ inch tubing, 20 and 22 gauge; the



head is 1¼ inches in diameter. Drop forge frame fittings, barrel hubs and barrel yoke are used. The tread is 4⅞ inches. The yoke is so arranged as to be dust proof, both in the inside and outside; the shaft being encircled with a tube which forms an oil well for lubricating the axle bearings. The hubs are fitted with recessed self-closing oilers, another distinctively Falcon improvement. The cranks and head bushings are finished with an 18-karat gold plate.

Model No. 12, the mate to No. 9, is constructed of 1⅛-inch tubing, has narrow tread, and, with the exception of the bowed frame, is practically the same as its companion. The mud and chain guards being finished in natural wood



color and laced in gold, give the wheel a very distinctive appearance.

Model No. 11, a medium-grade machine, has practically the same improvements as the other models, except that it is built of 1-inch tubing, and has a tread which is ¼ inch wider. The cranks and head bushings of this wheel are finished in nickel.

Model No. 10 is the companion wheel of No. 11; has a straight drop frame and is otherwise constructed in practically the same manner.

Big ball bearings (originated by the Yost Co.) are used throughout on their '96 line. The company does its own



drop forging, bending, machining and screwmaking, and, with the exception of saddles, tires, grips and balls, manufactures the wheels complete. Their machinery is of the latest improved patterns, much of it automatic, especially that which does the drilling of the drop forgings.

The special features which are being extensively advertised for the '96 trade are the new Falcon pedal, which is constructed in a neat yet simple manner, and is practically dust proof; the Falcon adjustable handle bar, which resembles the pedals in simplicity of construction, and is called the Micrometer, because of the fine adjustment which can be made upon it; the interchangeable sprockets, which are



attached by screwing on the crank and fastened with a lock nut on the inside.

All of these models, with their latest improvements, were exhibited at the Chicago Show, and will also be at the New York Show. These exhibits are in charge of J. A. Black. Messrs. I. M. Howk, G. W. Madison, F. W. Dewey and J. L. Yost will be in attendance, and they announce that they expect their customers to make their space, Nos. 1 and 2, at New York, headquarters.

The names Sunol, Hercules and Stella should have appeared in the list of names of bicycles under the caption of "What's In a Name?" in our last preceding issue. They are made by the McIntosh-Huntington Co., Cleveland, O.

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Recent Trade Publications.

The Yale & Towne Mfg. Co. are issuing a handsome new descriptive catalogue of Chain Blocks, which contains, perhaps, more information on this subject than has yet appeared in print. It is illustrated by a series of cuts which show the various blocks manufactured by them, giving an immense amount of technical information in a manner that can be understood at a glance. A special page illustration is found on page 2, where there is an illustration of the relative efficiency of blocks, showing the relative workings of the rope tackle block, the Yale-Weston differential block, the Yale duplex convertible screw block and the Yale-Weston triplex spur gear block. In connection with these different blocks we quote from the publication as follows: "The Differential Block obtains its power through a differential sheave, and is the simplest and cheapest chain block in the world. It may be used under the worst conditions of dirt and exposure, and will always operate. The Duplex Block obtains its power through a worm wheel and screw, and its action is very smooth and easy. It requires good lubrication, but, as its mechanism is enclosed in an oil-tight box, it may be used under any ordinary conditions. It is especially adapted to foundry use. The Triplex Block obtains its power through a train of spur gearing, and hence has a higher mechanical efficiency than any other similar device ever invented. A man can do more work with it than with any other block, and do it more easily. Where the use is frequent and the conditions reasonable, this is the best, and ultimately the most economical, of all portable hoists." There are also a great many tables showing capacity in tons, prices, net weight in pounds, etc. Illustration and description is also given of the Yale-Weston double lift hoist. A number of pages are also devoted to sectional illustration of these blocks and other pages to the illustration of the various parts that enter into the construction thereof. Other matter of exceptional interest is found in this little work, and the company will be pleased to send the same to any one who may make application.

F. E. Myers & Bro., Ashland, Ohio, are sending out a novel calendar for 1896. The scene represented at the top is that of a brownie school. The master is hearing the lesson on the superiority of glass valves, as used in the Myers Pumps, and the children's slates are shown covered with drawings of pumps. The following is hung on the school-room wall: "How shall we get Pure Water and Sweet Hay?" Answer: "Use Myer's Pumps and Hay Tools, Cylinders, etc." Through the open window a pastoral scene is shown, in which a farm hand is filling a trough, with one of Myers' Pumps, for the cattle to drink from. The lower part of the calendar is filled with illustrations of the immense line of pumps, hay tools, cylinders etc., manufactured by the company.

"Our Silent Salesman." Under this caption Robert H. Ingersoll & Bro., No. 65 Cortlandt Street, New York, are sending out their fall announcement. The company say: "To our customers, past, present and prospective: It is with feelings of pleasure and satisfaction that we send you this book of specialties, and we think that it is worthy of your undivided attention. We therefore ask you to look it through carefully. We make but one claim regarding it and that claim is, that it represents the brightest, most unique and easiest selling collection of goods that this market has ever known. It is a matter of considerable pride with us, that, starting in business experience, we have gone steadily up the scale in both manufacturing and commercial lines until both our goods and our record are popularly known throughout this entire country as well as portions of the other nations of the world. We operate our manufacturing interests on the principle of either improving the quality or reducing the cost. An illustration of the success of our methods in this line may be seen, for instance, in Ingersoll's guaranteed American watches, of which our product for the past two years has been an average of over 1000 watches per day. We make a specialty of handling not only the most popular selling lines of goods, but selecting the leaders from these lines, and buying very heavy quantities thereby getting special prices which enable us in turn to give special prices." The catalogue illustrates a host of articles manufactured and handled by the firm, which include harness snaps, key chains, dog chains and collars, sporting goods, call bells, pocket knives, shears, watches, banks, match safes, microscopes, watches, drawing instruments, clocks, table ware, household specialties, ticket punchers, plyers, electric motors, etc., etc.

"Hints on What we Manufacture in Graphite," is the title of a handsome little monograph just received from the Joseph Dixon Crucible Co., Jersey City, N. J. The front cover is illustrated with a medallion of Joseph Dixon, the founder of these great works, and a specimen of the American graphite pencils, etc., while the back leaf gives a bird's-eye view of their works and general offices in Jersey City. Among the articles enumerated and described in this little leaflet are graphite, stove polish, lead pencils, graphite paint, lubricating graphite, graphite grease, graphite cup grease, graphite axle grease, graphite pipe-joint grease, Dixon's plumbago or black lead crucibles, India silver lead or plumbago facings, Dixon's ingot-mold wash, lumber and metal crayons, electrotypers' graphite and graphite for electrical use. Anyone interested in any of these lines will do well to send for this little pamphlet, in which will be found a great deal of valuable information.

The Syracuse Cycle Co., Syracuse, N. Y., are distributing among friends and patrons, with the compliments of the season, a handsome and useful calendar for 1896. In the centre is represented the wheel of a bicycle, provided with a pneumatic tire, and showing the famous "Crimson Rim." The wires are broken away and in the middle of the wheel appear the mammoth works of the company at Syracuse. In opposite corners are a fair cyclist and wheelman, both provided with Syracuse wheels. They are shown saluting each other with handkerchief and cap, the fact that they both ride Sycamores being a sufficient excuse for scraping an acquaintance. The Syracuse "Spin to Win." The dates appear on a yellow background.

We have recently received the 1895–'96 catalogue of the Star Mfg. Co., Canton, Ohio. The company say: "In order to convey to the trade a correct idea of the variety of goods manufactured by us, we have carefully illustrated this pamphlet with exact cuts of our patented specialties from which orders can be given understandingly. In order to meet the increasing demand for our goods, we have been obliged to gradually enlarge our plant to its present capacity, and are now in position to fill all orders without delay. In addition to the articles herein catalogued, we are prepared to estimate on and manufacture specialties to any extent and variety." The articles manufactured by the company include oil cans, force pumps, kitchen knives, bread knives, pruning knives, post-hole diggers, etc., etc.

Patterson, Gottfried & Hunter, Nos. 146–150 Center Street, New York, are sending their friends a little leaflet that has a practical value to the receiver, as it contains a paper of pins, and a package of court plaster with which to bind up the financial wounds of the past year: also a reminder that the firm handle blowers, forges, brass goods, twist drills, etc.

The Sweatt Mfg. Co., Minneapolis, Minn., have issued a neat and artistic catalogue of their wheelbarrows, washing machines, barrel carts, factory trucks, hose reels, mortar hods, brick hods and Hubbard's patent steel wheel.

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THE NEW YORK CYCLE SHOW.

The Third Annual Exhibition of Cycles, Cycle Accessories and Sundries, held under the auspices of the National Board of Trade of Cycle Manufacturers at Madison Square Garden, will open on January 18th and continue till January 25th. As the time is rapidly drawing near, it is fitting that we should give a brief synopsis of the same.

The trade have engaged space at the Garden when it was possible, and at hotels near by when they could not be accommodated. Most of the concerns have been getting their exhibits in time to make the New York Show the finest of its kind ever held, and it is expected that many novelties and improvements will be sprung on an anxiously waiting public. It is thought that as many as 200 firms will be represented in the Garden, and many others in the nearby hotels. We predict a unparallelled success for the show.

MANUFACTURERS & MERCHANTS WAREHOUSE CO.

The Manufacturers & Merchants Warehouse Co., Chicago, will be at space No. 286, and show a limited line of chains, pedals, saddles, tubing, forksides, wood rims, dress guards, forgings machined and rough, castings machined and rough, stampings of various descriptions; and a more complete line will be carried in some hotel near by.

KENWOOD BICYCLE MFG. CO.

The Kenwood Bicycle Mfg. Co., Chicago, have secured space No. 24, and will have on exhibition seven patterns of Kenwood wheels—one light racer; one road machine, black; one road machine, maroon; one racer, with silver finish; one ladies' wheel, white, with gold trimmings; one ladies' drop frame, maroon, and one ladies' curved frame, black. The exhibit will be in charge of Mr. Isaac Reynolds, president of the company, and Mr. C. G. Jones.

HARTFORD RUBBER WORKS.

The Hartford Rubber Works, Hartford, Conn., will occupy spaces Nos. 223 and 224, and will exhibit a full line of the Hartford single tube tires, which are as follows: No. 80, the standard fast road tire; No. 77, the tire for all around use; No. 70, the tire for rough service; No. 75, standard racing tire. The exhibit will be in charge of Lewis D. Parker, treasurer of the company, assisted by E. H. Brandt, manager at the New York office at No. 100 Chambers Street.

AMES & FROST.

The Ames & Frost Co., Chicago, will be at space No. 104, and will exhibit a full line of Imperials, consisting of four models: Gentlemen's road wheel and ladies' road wheel, listing at $100; gentlemen's light road wheel and racer, listing at $110.

ROGER B. MCMULLEN & CO.

Roger B. McMullen & Co., Chicago and New York, will exhibit samples of the goods of the Union Drop Forge Co., Garford Mfg. Co., Indianapolis Chain & Stamping Co., C. J. Smith & Sons Co., Hunt Mfg. Co., and the Diamond Rubber Co., for whom they are general United States sales agents.

JOHN P. LOVELL ARMS CO.

The John P. Lovell Arms Co., Boston, Mass., spaces Nos. 157 to 159, will show their line of wheels as follows: Lovell Diamond, light roadster; Lovell Diamond, ladies'; Lovell Diamond, frame tandem; Lovell Special, men's; Lovell Special, ladies'; Lovell Excel, men's; Lovell Excel, ladies'. These wheels are up to date, and have the latest improvements, such as barrel hubs, large tubing, black enamel, weights 18½ to 26 lbs., Fairbank's laminated wood rims and Old's single piece rims. They will also show the new Lovell adjustable handle bar. Owing to its construction, it can be adjusted to any height desired by the rider, and, at the same time, keep the grips in a natural position. The Lovell company will give, as a souvenir, a small diamond-shaped pin, which is very attractive. The exhibit will be in charge of D. R. Harvey. Col. Benj. S. Lovell and Mr. J. C. Speirs will be on hand during the show.

FOX MACHINE CO.

The Fox Machine Co., Grand Rapids, Mich., will exhibit four models of men's wheels, two of ladies' wheels, beside their exhibit of special machinery for bicycle makers. In the model "E" top grade machine, the Fox tapering seat post mast is one of the striking features. All of the Fox wheels will be fitted with the Fox patent tubular hubs and with the Fox patent track plate nipple washers, which prevent the spokes from settling into the rim, throwing the wheel out of true after being in use a few days. The other machines will have these improvements, each one being different from the other models in minor details. An interesting part of the exhibit will be the special bicycle machinery. The Fox tube cutter, rim drill, Fox brazing forge, ball cup press, washer press and several smaller tools will be especially attractive.

EXCELSIOR SUPPLY CO.

The Excelsior Supply Co., Chicago, Ill., will show: 2 Thistle, regular roadster, weight 21½ lbs.; 1 Thistle, light roadster, weight 19 lbs.; 1 Thistle, racer, weight 15½ lbs.; 2 Thistle, ladies', weight 21½ lbs.; 1 each, full gentlemen's, and ladies' and gentlemen's tandems. Also full lists of parts, etc.

WHITEHEAD & HOAG CO.

The Whitehead & Hoag Co., Newark, N. J., will be at space No. 273, and will exhibit celluloid bicycle name plates, advertising buttons and novelties, race meet badges and souvenirs, and badges, banners and flags etc.

CUSHMAN & DENISON.

Cushman & Denison, No. 172 Ninth Avenue, New York, will be at Space No. 229. Their space will be handsomely lined with crimson plush which will make an attractive background for the nickeled sundries they manufacture.

They will make a special feature or their '96 model of the "Perfect" Pocket Oiler which is well known to riders. This firm make a specialty of oilers and are counted the largest manufacturers in that line in the world. Their "Perfect" Pocket Oiler is made for high grade wheels, while their "Star" Oiler is designed for use with medium grade or cheaper wheels. The company own a patent for a new bicycle wrench, acting, they remark, on a different principle from any now in the market. This wrench will be a real novelty and will be shown at the Cycle Show provided they can be manufactured in time. Mr. Joseph W. Cushman and Mr. Robert G. Grunert will be in charge.

ANGLO-AMERICAN CYCLE FITTINGS CO.

The Anglo-American Cycle Fittings Co., Nos. 105-107 Chambers Street, New York, with works at Waterbury, Conn., will exhibit at the New York Cycle Show, at stands Nos. 239 and 240, an absolutely complete line of parts and fittings used in cycle construction of highest grade and new models presenting some extremely novel features. These goods will be shown in both finished and unfinished condition, and will embrace a novelty in the line of barrel hubs, turned from the solid bar on automatic machinery, being absolutely dust proof, ¼ balls, 3 point bearings. New model ball steering heads, dust proof barrel bottom brackets with detachable sprocket wheels and "inflexible" cranks; rear forkends, seat lugs, "Ideal" adjustable han-

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dle bars. "Anglo" single piece and Boston laminated wood rims. A complete line of sundries, such as bells, lamp brackets, trouser guards, toe clips, the product of Bevin Bros. Mfg. Co., for whom this company are agents. The well-known "Goodstuff" cements for cementing tires to rims as well as for tire repairs. Novel "Corkene" grips with multi-colored ferrules, composition, as well as celluloid. New pattern lubricators for barrel hubs and bottom brackets. Weldless and brazed forksides. Morgan & Wright tires. Brookes' and American saddles. "Anglo" seamless barrel oilers. Pumps, oilets, etc. Furthermore, there will be exhibited 1896 model frames built up from the foregoing parts, complete enameled and plated, as well as new model tandem frames, both Double Diamond and Combination pattern. The exhibit will be in charge of Messrs. J. Friedenstein, C. Murray Rice, Walter M. Towne, A. G. Ceely and G. Hees. There will also be in attendance Messrs. Geo. D. Boles and G. Haines of the Boston office, and Mr. R. C. Stevens of the Philadelphia office.

HUNTER ARMS CO.

The Hunter Arms Co., Fulton, N. Y., will be seen at spaces Nos. 50 and 51, where they will show 2 models A, 2 models B, 2 models C, 1 model D, and 1 tandem. The frames of their wheels are made of Crown steel tubing.

ARNOLD SWINN & CO.

Arnold Swinn & Co., Chicago, will display fourteen machines of seven models highly finished. These wheels are made with inside connections and flush joints.

ALLERTON LUBRICANT CO.

The Allerton Lubricant Co., No. 710 Old Colony B'ld'g., Chicago, Ill., will display the Allerton chain compound. The merits of this preparation are well known. It is a high grade lubricant and it is said to keep the chain bright as well as lubricated; that it will not soil the hands, and will not collect dust and dirt. There will be no special features but simply a display showing the goods. The company will make an effort to continue their acquaintance with the trade.

TIE CO.

The Tie Co., Unadilla, N. Y., will be at space No. 244, and will show a line of their novelties, including Holdfast luggage carriers, trouser guards, bicycle hangers, and cyclists road machines, etc.

INDIANA BICYCLE CO.

The Indiana Bicycle Co., Indianapolis, Ind., will display a full line of Waverley bicycles and parts, including their '96 line, which will consist of five machines, viz.: Three scorchers with 23, 25 and 27 inch frames respectively, and the Waverley Belle with 21 inch wheels and 23 inch frame. The list price of all of these is $85. In addition to those mentioned, the Waverley Belle with 26 inch wheels and 21 inch frame at $75 will be shown.

ZENITH CYCLE CO.

The Zenith Cycle Co., Nos. 36 to 42 Commercial Avenue, Binghamton, N. Y., will be located at space No. 30, and will show the Zenith models, 22, 24, 26, ladies' drop frame, ladies' rational, Zenith tandem and Zenith racer. These wheels have tool steel dust proof bearings, easy detachable cranks, large barrel hubs and large balls, reversible handle bar, which can be changed from a high to a low drop readily.

CRAWFORD MFG. CO.

The Crawford Mfg. Co., Hagerstown, Md., will be found at space Nos. 44, 45 and 46, and will exhibit models Nos. 23, 24, 25, 26, 27, 28, 29 and 30.

ST. LOUIS REFRIGERATOR & WOODEN GUTTER CO.

The St. Louis Refrigerator & Wooden Gutter Co., St. Louis, Mo., will show one of their standard pattern 23, 25 and 27 inch framed gentlemen's Lu-Mi-Num, one 21 inch diamond frame ladies' Lu-Mi-Num, one drop frame ladies' Lu-Mi-Num, one each men's and ladies' Lu-Mi-Num, as made for the European market, together with a comprehensible display of specimen parts and fittings illustrated to show the special and peculiar process of manufacture.

GORMULLY & JEFFERY MFG. CO.

The Gormully & Jeffery Mfg. Co., Chicago, Ill., will exhibit Rambler's models No. 15, 16, 17, 18, F. G. & H. Also combination tenders No. 2, men's tandem No. 2, and racing tandem No. 2.

INDIANA NOVELTY MFG. CO.

The Indiana Novelty Mfg. Co., Plymouth, Ind., will exhibit samples of the various styles of wood rims made by them. Also samples of wood mud guards and chain guards, which are drilled and eyeleted for lacing. They may also have some novelties pertaining to the cycle trade to bring out at that time.

WHITE SEWING MACHINE CO.

The White Sewing Machine Co., Nos. 124 to 126 Euclid Avenue, Cleveland, Ohio, will show a line of samples consisting of four wheels. The inability of the company to secure sufficient space will necessarily curtail the size of the exhibit.

QUEEN CITY CYCLE CO.

The Queen City Cycle Co., Buffalo, N. Y., will exhibit their '96 style of wheels, and will show three or four wheels in regular stock finish. J. H. Isham, president of the company, will be in charge.

ARLINGTON U. BETTS & CO.

Arlington U. Betts & Co., Toledo, Ohio, will occupy space No. 263, and will have on hand a complete line of Red Cross cements and sundries.

NEW DEPARTURE BELL CO.

The New Departure Bell Co., Bristol, Conn., for whom John H. Graham & Co., No. 113 Chambers Street, New York, are sole selling agents, will be found at spaces Nos. 246 and 247, and will exhibit in many different ways sixteen different styles of bells, new cyclometer and corrugated cycle guards, which are new for the season of '96. They will also show a full line of Lucas lamps, for which the company are the United States agents. The trimmings for the exhibit are in three colors: white, yellow and green. At the back of exhibit is to hang a large sign made out of bell gongs and fastened to background, covered with green velvet. This sign with drapings of yellow and white and white satin ribbon will make a most attractive stand. In the center of exhibit will be shown a large stand made of bell metal, bronze finish, which will consist of a bicycle fork and wheel and two handle bars. On the bicycle wheel will be two cyclometers placed, one on each side of the wheel, in such a manner, that the observer will note the advantage of New Departure Clyclometers, inasmuch as they will register correctly if placed on either side of the wheel. On the two handle bars a full line of bells will be exhibited. The company have had special rods made to attach to the railing which surrounds the exhibit, and on these rods will also exhibit bells. They will have on hand a number of show stands which will be distributed to the trade the coming season. The remainder of the show will consist of a large stock of bells, lamps, cyclometers and other things, to give the space a pretty as well as business-like appearance.

ELASTIC TIP CO.

The Elastic Tip Co., Boston, Mass., will exhibit at spaces Nos. 236, 237 and 238 a full line of bicycle material, Hardware and sundries, including goods of the following concerns, for whom the company are agents: Indianapolis Chain & Stamping Co., cycle chains; Snell Cycle Fittings Co., drop forgings, frames, forksides machined bicycle parts, lamps, etc.; Indiana Novelty Mfg. Co., wood rims and wood guards; Shelby Steel Tube Co., weldless steel tube; Butler & Ward, saddles and parts; Morgan & Wright, tubes, tires, and parts; Hartford Rubber Works Co., hose-

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pipe tires and kits: Barnes Tool Co., wrenches; W. S. Card Mfg. Co., taps and dies; Lavigne & Scott Mfg. Co., wrenches; Scovill Mfg. Co., brass goods; Bonsilate Box Co., corkaline handles; Andrew Morton, cork grips; Excelsior Needle Co., spokes and nipples. They will also exhibit goods of their own manufacture, as repair kits of every description, cements, etc.

WINTON BICYCLE CO.

The Winton Bicycle Co., Cleveland, Ohio, will exhibit at space No. 38. The display will consist of the following 1896 models: 1 model 17-24 inch frame, road wheel, in black: 1 model 17-24 inch frame, road wheel, in wine color with gold striping; 1 model 17-26 inch frame, road wheel, in black; 1 model 18-24 inch frame, racer, in black; 1 model 19-20 frame, ladies', in black; 1 model 20 inch men's tandem, in red, and 1 model 21 inch combination tandem, in black.

DAVIS & STEVENS MFG. CO.

The Davis & Stevens Mfg. Co., Seneca Falls, N. Y., will be found at space No. 227, and will show a complete assortment of their well-known Cyclone and Tornado pneumatic pumps. The exhibit will be under the charge of F. N. Stevens, treasurer of the company, assisted by traveling salesmen.

BUTLER & WARD.

Butler & Ward, Nos. 226 and 228 Halsey Street, Newark, N. J., will occupy space No 189, and will exhibit 24 models, including clips, direct posts and saddles. Among the saddles will be seen the Empress and ladies reform saddle. Eugene Ward and G. F. Anderson will be in attendance during the show.

TRENTON WATCH CO.

The Trenton Watch Co., Trenton, N. J., will be located at space No. 191, and will exhibit three models of aluminum cyclometers. These cyclometers have been expressly prepared for the '96 trade. Model A will register 1,000 miles and repeat, weighs 2¼ oz. Model B is similar except that it will register 10,000 miles and repeat. Model C is very small and light, weighs about 1¼ oz., and registers 10,000 miles and repeats.

W. W. WHITTEN CYCLE MFG. CO.

The W. W. Whitten Cycle Mfg. Co., Nos. 148 to 156 South Main Street, Providence, R. I., will be located at space No. 31, and will exhibit four models of Whitten bicycles. A full roadster weighing 23 lbs., and listed at $75, a light roadster weighing 22 lbs., and listed at $100, a racer weighing 18 lbs., also listed at $100, and the Whitten tandem, a road machine weighing about 40 lbs. All these models will be of the highest grade, embracing all new and up to date improvements. Will also exhibit component parts of these bicycles, which the company supply to the general trade, including Barrel hubs, heads, brackets and machined forgings. Will also exhibit Lord wood rims and Vulcan chain, which the company manufacture and supply to the trade.

J. J. WARREN CO.

J. J. Warren Co., Worcester, Mass., will occupy space No. 216, and will display a complete line of bicyle tool bags, saddle leathers, patent luggage carriers, bicycle belts and such goods. The exhibit will be under the care of Wm. H. Hayden and B. Elliott.

KEATING WHEEL CO.

The Keating Wheel Co., Holyoke, Mass., will be found at spaces Nos. 205 and 206, and will show a line of gent's high grade machines as follows: Model "22," 22½ inch frame, weight 19 lbs., price $100; Model "24," 24½ inch frame, weight 19 lbs., price $100; Model "26," 26 inch frame, weight 19 lbs., price $100; Model "21," ladies' machine, weight 20 lbs., price $100. The decoration of the stand will be as follows: On the rear wall, upper portion, an electric sign will be placed the whole length of spaces, "Keating Wheel Co." Below this sign an immense handsome gilt frame 7 feet in length, and 4 feet in width, will be hung, in which is shown an enameled and nickeled Keating bicycle backed with dark colored plush, and lighted with electric lamps. On each side of the large frame smaller frames are to be fitted up after the same pattern, showing the various parts of the Keating machines. The whole booth will be handsomely decorated with potted plants of various kinds, palms and trailing vines.

WALTHAM MFG. CO.

The Waltham Mfg. Co., No. 240 Broadway, New York, will occupy spaces Nos. 234 and 235, and will exhibit eight models of Orients and Saracens, ladies' and men's. The special features of these wheels will be as follows: Height of frames, men's 25 and 27 inches; gears, all sizes; features of hubs, barrel; length of cranks, 6½ and 6 inches; specialty of sprocket, detachable; rims, laminated; tread, 4¼; tire equipment, 4 leading tires; steering head, according to length; saddles, Sager and Gilliam; handle bar, universal of frame; finish standard; pedals adjustable to width of foot, standard pattern; weight, according to pattern. The decorations of the space occupied by the company will be in the Oriental style. J. S. Holmes, Jr., A. Stamforth, M. G. Peole, M. W. Evans, C. A. Allen and others will be in attendance during the show.

ECLIPSE BICYCLE CO.

The Eclipse Bicycle Co., Elmira, N. Y., will occupy spaces Nos. 6 and 7, and will show ten wheels and two tendems, together with an elaborate display of emerald green in signs, draperies, etc. The exhibit will be in charge of G. W. Houk, assisted by W. J. Walker and H. E. Walker. They will also show the Eclipse electric lamp, which is controlled by the Eclipse Bicycle Co.

PORTER & GILMOUR.

Porter & Gilmour, No. 16 Warren Street, New York, have engaged spaces Nos. 33, 34, 35, and will exhibit a full line of Sagamores, Vikings, and Halladays, three single bicycles and one tandem of each make. Will also show several novelties, and will distribute some of the handsomest souvenirs at the show.

E. K. TRYON, JR. & CO.

E. K. Tryon, Jr. & Co., Philadelphia, Pa. The company inform us that they have no space at the New York show, but hope to secure quarters near by in which they will show the Apollo wheel, a pioneer high grade wheel, at $75; also the Vesper in ladies' and gentlemen's, at $50 list. The company will also show a line of juvenile wheels, the Fairy girls' wheel, 24 and 26 inches, and Cycloe boys' in same sizes. List: 24 inch wheels, $45; 26 inch, $50.

REED & CURTIS MACHINE SCREW CO.

The Reed & Curtis Machine Screw Co., Worcester, Mass., will have their headquarters at space No. 192, and will display a full line of Curtis' pedals, a No. 1 oil extractor, and a large oil extractor of new design.

SNYDER & FISHER.

Snyder & Fisher, Little Falls, N. Y., will be at space No. 266, and will show three complete machines. One gentleman's finished in maroon, one gentleman's finished in regular jet black, and one lady's model also finished in black. The company's patent adjustable handle bar and anti-friction brake. They will also exhibit machine in parts complete, showing the rough material finished ready for putting together.

O. J. FAXON & CO.

O. J. Faxon & Co., Nos. 3, 5 and 7 Appleton Street, Boston, Mass., will be at space No. 99, and will show: Two men's Puritan wheels, racing wheel and road wheel; one lady's wheel, full nickeled with special extension rattan dress and chain guards; one each of two styles of tandems, combination and double diamond. Also two models of new medium grade light Hector, one lady's and one gentle-

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man's. These last list at $75. The Puritan at $100. The exhibition will be in charge of G. H. Faxon, assisted by H. M. Gordon, G. C. Bartow, R. F. M. Andrews and Fred Coningsby.

BARNES CYCLE CO.

The Barnes Cycle Co., Syracuse, N. Y., will occupy spaces Nos. 8, 9 and 10. The decoration throughout will be white as nearly as possible, including white carpet and one-half dozen white bear skin rugs. Along the back of the exhibit will be a sign in white and gold, "The Barnes Cycle Co.," the length being 27 feet, and width 30 inches. In addition to this, in the center will be a circular electric sign with "Barnes Cycles" spelled out with 100 white globes, a bicycle wheel in the center, from the hub of which will revolve rapidly two rows of purple electric lights, making a colored border on either side of the main portion of the sign. The railings around the exhibit will be enameled white; the company will show six models, four of them being white enamel and two black, as follows: one tandem, one white flyer, one racer and special in white, also a special and ladies' Superba in black with white rims. Messrs. Arthur R. Peck, C. A. Benjamin, M. T. Faulkner, A. W. Scoville, F. S. Parmelee and W. R. Darrah will be in attendance during the show.

BLACK MFG. CO.

The Black Mfg. Co., Erie, Pa., will exhibit seven models as follows: Model 27, model 25, model 24; tandem, model 23; tandem, model 22; racer, model 21. Special features are as follows: Height of frames, 21½, 24 and 26½ inches; hubs, large diameter, made from bar steel; sprockets, all cut with cycloidal teeth; steering head, 9¾ inches in models 24 and 27, 12 inches in model 26; tread. 4⅞ inches; handle bars, adjustable by new method; can be set in any position by the rider without dismounting; pedals, special new pattern, made for Tribune wheels only, thoroughly dust proof; gears, standard 68 and 72, options from 60 to 80; length of cranks 6, 6½ and 7 inches; rims, one piece hickory or elm, highly finished in natural color; tires, standard M. & W. quick repair; options Hartford and Dunlop; saddles, Sager, finished in black; weights, standard road wheels 22½ to 23½, racer 19 lbs., tandems 40 lbs. The special feature of this exhibit will be a standard Tribune, model 27, highly decorated with pearl and gold. This machine was finished expressly for exhibition purposes, the pearl work being inlaid piece by piece by hand, taking several months time of a skilled decorator, and is considered one of the finest pieces of ornamental work that has been produced on a bicycle. This machine, as it stands, is valued at $1,000. L. B. Gaylor, vice president of the company, W. R. Black, and W. C. Beers will be in attendance.

YOST MFG. CO.

The exhibit to be made by the Yost Mfg. Co., Toledo, Ohio, will be found described and illustrated uuder another heading in this issue.

PEERLESS MFG. CO.

The Peerless Mfg. Co., Cleveland, Ohio, will occupy spaces Nos. 73, 74, 75 and 76. H. Lindley Crowther, H. Crowther, vice president and general manager, David J. Post, secretary, and Messrs. Turrell, Anderson and Ely will be in charge of the exhibits. The machines exhibited will be Peerless special, men's and ladies', a Peerless Bluebird racer, all listing at $125, and all built of nickel and Peerless special tubing, drawn especially for the Peerless Mfg. Co., Peerless roadster, light roadster and ladies', $100. The Peerless specials are in handsomely polished black, with rich carmine striping; the Peerless Bluebird racing wheels are in their well-known blue, richly striped, while the regular Peerless $100 line is plain polished black. The weights of the machines are: Men's special, 20 lbs.; ladies' special, 22 lbs.; racer, 18 lbs; light roadster, 21 lbs., and full roadster, 23 lbs. Three handsome tandems are shown, two of them the Peerless men's and ladies', and third the Triumph tandem. The company claim unusual easy running qualities for their wheels, and will illustrate this by a bicycle driven by a single thread, run by a small toy motor.

HULBERT BROS. & CO.

The New York exhibit of Hulbert Bros. & Co. will be unique in the extreme and will contain many novelties of interest. They are to show a full line of their '96 model Majestics. Men's designs in 22, 24 and 26-inch frames and women's designs in 22-inch loop frame and 22-inch diamond frame; all having 28-inch wheels. The feature of their Majestics, '96, are 1⅛-inch tubing and ¾ back stays, adjustable handle bars, large barrel hubs, detachable front and rear sprockets, front sprocket nickel-plated, reversible chain, double fork crown, six gears, very best material and highest possible finish. The Teutonic, Messrs. Hulbert Bros. & Co.'s Juvenile line of 24 and 26-inch wheels will also be shown by these samples. A 24-inch girl's frame, a 24-inch boy's frame, list $40 each, and a 26-inch girl's frame, list $50. These little wheels are veritable beauties, being made of large tubing, large hubs, ball bearing, and are made just as carefully as a high grade man's mount. They also show a pneumatic brake which is sure to have a large sale owing to the fact that it is light, the entire attachment weighing but one-half a pound, and it is very effective. As the bearing surface is rubber, it does not wear the tire, and the pressure can be absolutely regulated to an ounce by the rider. It is simple and neat in appearance. They will also show their Mesinger saddles mounted on home trainers, so that all can mount them and prove for themselves how hygienic, comfortable, cool and healthful this saddle is. The decorations are to be simple but effective. Four ordinary spaces are occupied, the floors of which are to be covered with Oriental rugs. Separating the back of their space from the adjoining space will be a partition four feet high covered with large American flags, the white stars of which are in keeping with the Star, the emblem they have always had for their Majestic bicycles. Three feet above this four-foot partition will be left open to comply with the regulations, and then comes a glass sign twenty feet long, illuminating from the front in glaring brilliancy the words "Majestic Bicycles, fitted with Mesinger Saddles, manufactured by Hulbert Bros. & Co., New York." On one side of this sign will be seen a Mesinger saddle three feet high, and on the other side a large name-plate of the Majestic three feet high. A continuous line of Mesinger saddles will surround the exhibit just inside the railing four feet from the ground. Desk, chairs, table and clothes trees are to be set around in convenient places.

JOHN MCCLAVE & SONS.

John McClave & Sons, Nos. 602 to 606 West Twenty-second Street, New York, will exhibit '96 Colonial models as follows: One combination tandem weighing 38 pounds, black enameled, with special patented lug, nickel-plated on copper, tread 5-inch, with chain guard and detachable brake. One gentlemen's tandem weighing 36 pounds, fitted with 2-inch Palmer tires. This will be a double steering regulation tandem, full nickeled front forks, reinforced by the company's process; wheel base 62 inches. One Colonial racer, 25-inch frame, full nickeled, fitted with Vim racing tires and best piano wire spokes; tread 4½ inches; 3-16-inch chain, rams-horn handle bar. One Colonial racer, 25-inch frame, black enameled and nickel-plated lugs, and fitted with rams-horn handle bar; weight 17 pounds. One gentlemen's full roadster, 21-inch, fitted with upraised handle bar and brake; weight 24 pounds. One gentlemen's 23-inch light roadster, full nickeled, weight 22 pounds. One Colonial Dame, 23-inch full roadster, fitted with brake, chain, mud guards and upraised handle bar and nickel-plated lugs; weight 24 pounds. One Colonial Dame, 20-inch light

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roadster, without brake and mud guards, fully nickeled and fitted with 26-inch tires. One gentlemen's light roadster, 23-inch, black enameled, with nickel-plated lugs and without brakes; weight 22 pounds. One gentlemen's full roadster, fitted with upraised bar and brake; weight 24 pounds; finished black enameled, with nickel-plated lugs. One girls' wheel, fitted with 20-inch wheels, upraised handle bar and brake; and one boys' wheel, fitted with 20-inch wheels, upraired handle bar and brake.

REMINGTON ARMS CO.

The Remington Arms Co., Ilion, N. Y., will exhibit a full line of new models as follows: Model 20, Remington light roadster, frame heights 22, 24 and 26 inches; model 21, Remington ladies', frame heights 21 to 23 inches; model 22, Remington racer, frame heights 22 to 24 inches; model 23, Remington ladies' diamond frame; model 24, Remington tandem, diamond frame; model 25, Remington tandem, combination frame; model 26, the "Ilion" boys'; model 27, the "Ilion" girls'. They will also have a number of display parts, showing the simplicity and strength of construction of the wheels. The colors of the decoration of the booths will be pink and light green. A handsome oil painting by the celebrated New York artist, Mr. Wm. Merritt Post, will enrich the centre of the sign. The subject of the painting will be a cyclist racing a train, which is a reproduction of the company's well-known advertisement of "Remington to the front." The exhibit will be in charge of Manager F. J. Reville, who will be assisted by Wm. M. Haradon, and the following traveling men: W. A. Shepard, Jr., Walter B. Lewis, H. T. Dekker, Harry C. Smith, Walter H. Ellis.

WILLIAM READ & SONS.

William Read & Sons, No. 107 Washington Steet, Boston, Mass., will show at space No. 112 the "New Mail" high grade. The '96 pattern is mentioned as being unsurpassed by any high grade wheel in the market, having all the latest improvements and is an unusually handsome wheel. They also show a full line of medium grades in 28-inch, men's, ladies' and juveniles' sizes of the Featherstone make.

WILSON BROS.

The products of the American Clock Co. and the Rogers' saddles will be exhibited by Wilson Bros., Boston, Mass., who are the selling agents for the above named companies. The exhibit will be under the direction of Chas. W. Holden and George F. Patterson.

SCHLUETER CYCLE MFG. CO.

The Schlueter Cycle Mfg. Co., Cincinnati, Ohio, will exhibit a full line of Norwood bicycles, including Norwood roadster, racer, special light roadster, and lady's bicycle.

CENTRAL CYCLE MFG. CO.

The Central Cycle Mfg. Co., Indianapolis, Ind., will occupy spaces Nos. 147, 148 and 150, and will show four regular models, $85 and $100 wheels, and two tandems finished in black and dark green.

A. M. SCHEFFEY & CO.

Descriptions and illustrations of the bicycles manufactured by this company appear elsewhere in our columns.

AUTOMATIC CYCLE SEAT CO.

The Automatic Cycle Seat Co., Grand Rapids, Mich., will exhibit saddles built on the automatic principle that the company have patented. The automatic principle is too well known to need description here.

H. A. LOZIER & CO.

H. A. Lozier & Co., Cleveland, Ohio. The exhibit of this company shows a complete line of 1896 styles, eight in all, all of large tubing (1¼ and 1⅛-inch). The tandems are graceful and are shown in two styles, one for men and the other combination for gentlemen and ladies. The No. 22 swell special single wheel is of similar lines to that of 1895, large tube; the same can be said of the ladies' wheel, No. 23, and the racer, No. 24. The latter style is convertible into a light roadster by change of tires and handle bars. Among the features that are new in the Cleveland wheel are the wood handle bars. The new pedal on the Cleveland for 1896 is neat and high grade in every respect; great care has been taken in its construction. The center piece or barrel is turned out of bar steel and is free from joints. The sides are formed of one piece, which overlaps on the inner end of the pedal and is firmly fastened by two screws and the locking cone. There are also improvements in the bearings.

SEYFANG & PRENTISS.

Seyfang & Prentiss, Buffalo, N. Y., will show five models, Nos. 9, 10, 11, 12 and 13. The following are the specifications of model 9: Frame 26 inches high, 1⅛ tubing; head 10¼ inches high, 1¼ tubing; ¾ lower rear brace tapered to ⅝; ⅝ upper rear brace; drop forgings on all connections, hubs, barrel pattern with removable cases, ½ balls in front wheel, 5-16 in rear wheel and crank bracket: cranks 6½ inches, 5-inch tread, detachable front and rear sprocket; bearings turned from solid bar Tool-steel, carefully hardened and ground; wheels 28 inches; swaged tangent spokes 28 in front wheel, 36 in rear; patent laminated wood-rims; wheel base 44 inches. The Bisons models 9 and 10 will be fitted with the celebrated Perry Humber chains. Options: M. & W. inner tube, Vim or Hartford single tube tires; Brown or Sager saddle, Janney or Union pedals, T. or direct post; handle bars Nos. 1, 2, 3 or adjustable. The company are using new and improved cranks on models 9 and 10, both cranks and shaft being forged in one continuous piece, which does away with the ever annoying loose cranks and objectionable Cotter pins, and it is so constructed that it will pass through a solid forged bracket, and the cups and cones will pass over the cranks into their proper places. The cups will have ball retainers. Model No. 10 will have the same construction but with a lower frame. The ladies' wheel will be known as model No. 11. In it is embodied the many features necessary for a strictly high grade wheel, and within the reach of all at a reasonable price, and is a strong, easy running wheel. With the increased demand for a medium grade wheel the company have decided to build a strictly up-to-date wheel to list at $75, which has been named the Stag, models 12 and 13, and which will be manufactured in two models, a 24 and 25-inch diamond frame with 1⅛ tubing in frame, barrel hubs and large bracket and fitted with a new and improved keyless crank. Fitted with M. & W. or Vim tires, Snell saddle, and Indianapolis chain.

SCHOVERLING, DALY & GALES.

Schoverling, Daly & Gales, No. 302 Broadway, New York, will occupy stands Nos. 100 and 101 and will have on exhibition the Sterling bicycle, three models, and a tandem; Gales wheel roadster weighing 22 pounds, thoroughly up-to-date, positively high grade, which will list at $75. In addition to this in the Gales the company will have a ladies' wheel weighing about 23 pounds; Manhattan, 28-inch, 1⅛-inch tubing, barrel hubs, at $60; 26-inch, $50; 24-inch, $40. Gotham, 26-inch, $50; 24-inch, $40 list. These last are exceptionally fine juvenile wheels.

U. S. MFG. CO.

The United States Mfg. Co., Fon-du-Lac, Wis., will display a complete line of samples of U. S. cyclometers, U. S. odometers and U. S. detachable lamp brackets. The working of cyclometers will be shown on bicycles, and also on a tester, which will run at the rate of one hundred and twenty-five miles an hour. A. R. Keating and F. J. Lang will be in charge of the exhibit.

E. C. STEARNS & CO.

E. C. Stearns & Co., Syracuse, N. Y., will exhibit the following: Model "A," diamond frame gentlemen's bicycle $100; model "B," diamond frame gentlemen's bicycle $100;

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model "C," drop frame ladies' bicycle, price $100; model "D," diamond frame ladies' bicycle, price $100; special, diamond frame gentlemen's bicycle, price $125; Stearns' racer for 1896, price $125; Stearns' diamond frame tandem, price $150; Stearns' combination tandem, price $150. All the models will be regularly finished in orange, save in the case of model "C," of which black will be the regular finish with the option of orange.

A Sad and Sudden Loss.

The friends of Eugene Bissell, of E. Bissell, Son & Co., New York, will deeply sympathize with him in the overwhelming loss that has befallen himself and his household. Less than three months ago we chronicled the happy marriage of his daughter, Florence Norton Bissell, to Edgar F. Luckenbach, of Brooklyn, and now comes the sad news of her sudden and untimely death. Mr. and Mrs. Luckenbach had but recently returned from their wedding tour, aad were looking forward to a long life of happiness, when a sudden illness attacked the wife on December 28th, commencing with a cold, which was followed by the grip, and on January 2nd she passed away. The funeral was held on January 6th, with the interment in Greenwood. In a loss like this, words are of little avail, and the sympathy they convey ot little aid; but to the afflicted parents, husband and other dear ones, the sympathy of all who knew them or the young wife who has been called away, will be sent forth in a deep and earnest manner.

Chicago Cycle Show.

From all reports received the opening of the Cycle Show in Chicago was attended with gratifying success, great crowds being in attendance. It behooves New Yorkers to look well to their laurels, if they do not wish to be outdone by their hustling Western brothers. The attendance on Monday, January 6th, was estimated at 9,000, probably twenty-five per cent of that number being dealers. There is a marked absence of the "freaks," or mechanically fallacious novelties, which have been seen at previous shows, and the general impression given by the new models in both wheel and sundries is that substantiality is being more sought after. The most novel ideas are being shown in tires, saddles, and lamps. It certainly looks as if these vexed problems are to be solved by some of the new inventions, if not by several of them. Elsewhere in this issue we devote considerable space to an advance description of the New York Show, and as nearly all the principal concerns will exhibit at both, and the main features of the display be similar, we do not think it necessary to give a detailed description of the Chicago Show, even though space would permit of it.

A "'96" Pointer.

Cushman & Denison, who make oil cans for the trade everywhere, are taxed to their utmost capacity. They report that their advance orders for oilers indicate that an even greater number of wheels will be made in '96 than is generally anticipated. This firm make both high and medium grade oilers, and every wheel is supplied with an oiler corresponding in quality. The number of high and medium grade oilers manufactured is therefore a fair indication of the number and quality of wheels turned out. Allowing for the oilers that will be used for wheels now in existence, the number already ordered for '96 shows an output of bicycles that will equal or exceed the ideas of the most sanguine.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the Windsor Co., North Adams, Mass., a new fireproof storehouse 70 feet wide and 125 feet long. The construction is composite, being iron and brick, the whole being fireproof, no woodwork being used. The floors are made of terra cotta.

Review of the Markets.

The beginning of the year finds but little movement in Hardware, with the exception of Skates and other seasonable goods. Stock-taking has been the absorbing topic of interest, and it has left little room for business. Those who have taken stock are patiently waiting for the others to complete the task.

Wire Nails: Business is better than last writing. The stocks in the hands of jobbers are very light and they must soon replenish; business will then improve. Prices are the same. We quote as follows: Carload lots, $2.25, base, per keg, f. o. b., Pittsburg; less than carload lots, $2.35, base, Pittsburg. Carload lots on dock, New York, $2.43; small lots from store, $2.53.

Cut Nails: The conditions governing the market show no changes. Quotations are as follows: $2 per keg, base, f. o. b., Pittsburg. New York quotations are: Carload lots on dock, $2.18; small lots on dock, $2.28, and small lots out of store, $2.30.

Linseed Oil: We quote New York prices as follows: Raw, 42 cents per gallon; boiled, 45 cents per gallon, and Calcutta raw, 50 cents per gallon, which is an advance of 2 cents on Calcutta.

The National Lead Co.'s prices for Lead in Oil continues unchanged, being as follows: In lots of less than 500 pounds, 6 cents net; in lots of 500 pounds and over, 5½ cents; Red Lead and Litharge in barrels and half barrels, ¼ cent per pound less than price in kegs.

Putty: The better grades are quoted at $1.40@$2.25, as to quantity and package.

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "The average of National bank earnings last three years appears about one-half those of previous three years. Fourteen Southern States have built nearly 700 miles of railway in 1895, Texas and Florida leading. Total construction United States about 1,428.4 miles, against 1760 last year. Equipment building was active. Pig iron production for 1895 (one month estimated) is 9,387,639 tons, against 6,657,388 the previous year, and 9,902,703 for the banner year of 1890. The treasury and banks hold about two-thirds of all the greenbacks outstanding. The people hold the silver certificates, which the United States treasurer says are payable only in silver. Almost one-fourth of our imports in 1895 were crude wool, sugar, coffee, silk, rubber and hides. Twenty-two per cent. imports came from the United Kingdom, nearly $50,000,000 worth being woolen goods. Great Britain bought 45 per cent. of all our exports, 70 per cent. of the exports being agricultural products. Production of American wool declined 10 per cent. and price 40 per cent. since 1892. Interstate Commerce Commission preliminary report for the year ending June 30, 1895, covers 650 roads, operating 164,529.38 miles, whose gross earnings were $1,003,022,853, and net earnings $325,355,218, including other income total was $358,412,461. Fixed charges, dividends, etc., were $389,487,491, leaving a deficit of $31,075,030."

THE CHARLESTON TRADE.

Business for December was the best for many years, and we began the month with advance orders far in excess of a reasonable expectation, and we were not able to complete those and others that were received during the month until its close.

The new year has opened equally favorable, and we will have not only an active but a pressing January. The disposition of farmers now is to cut the holiday season promptly after January 1st and begin preparation for another crop. Heretofore if labor in the agricultural district was fairly begun by the 10th, it was deemed only a reasonable time allowed all about the farm for enjoyment. As a consequence of this unwonted energy we have daily calls for necessary goods, and the drain upon our stock is seriously felt. Delay in reception of goods now most needed is causing us some inconvenience and requires explanatory letters to our trade which are not agreeable or understood by all.

Having placed orders early in the summer for December shipment, we were not prepared to have them unfilled in January, and can only account for the delinquency of manufacturers and their agents by supposing that later in the season they had contracts at better prices than were made in the summer, and devoted alike time and attention to those more profitable, leaving the earlier ones to be filled at convenience, if at all.

There is no redress on account of such failure, and we will only have to exercise such patience as we can command to meet alike the disappointment to ourselves and our trade. We regard the Hardware market as being a

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steady one, and do not anticipate any serious breaks in prices. We see no reason why there should be, and intend acting on that supposition as far as our own prices are concerned.

The fall and winter, as far as advanced, have been ideal ones, and commend themselves to all as being the cause of climatic congratulation. The entire country has been favored with just the necessary elements to make for the special section an active business. We of the Southland hardly know by actual observation what a sleigh or pair of skates are, and read with wonder the unusual demand, over the frozen regions of the North, for these necessary adjuncts of necessity and pleasure. A moderately prosperous year with the farmer enabled him to indulge his favorite pastime of hunting, and sporting goods of all kinds have been more in demand than for many years.

Game of all kinds has been abundant and the pleasures of the field been enjoyed by many. The jobber reaped the unusual harvest and the retailer in the country was not devoid of profit in transferring his purchases to the sportsman. Thus in turn a benefit has been derived by all.

The flurry in the political world has, if not entirely disappeared, been dismissed from the minds of those most interested, and the assurance of continued peace has reassured many and decided them to proceed as though no dark cloud had ever arisen to dim the brightness of the present or cast its dark shadows over the future.

We expect from this time until the spring is well advanced to be kept busy during the entire day and ofttimes to prolong labor until the night is well advanced, and sincerely trust we will not be disappointed.

MARSHALL, WESCOAT & CO.

THE DAVENPORT TRADE.

Incident to the season, there has been more attention paid to counting stocks, striking annual inventory balances and making settlements, for the past fortnight, than has been given to either buying or selling Hardware.

The weather has been mild, soft and sloppy; country roads, much of the time, impassable for loaded wagons, and hence the last month of the year 1895 must go on record as a dull month, the dullest of the twelve.

We have heard of no failures, and while collections are

"THE AMERICA."

A Bicycle

Riders and Dealers Appreciate.

With up-to-date improvements and

That is Built
That Runs..
That Looks.
That Stays..
Right

"The America"

Models include not only the usual straight bar frames, but the Original and . . . . . .

IMPROVED "TRUSS" FRAME,

made and patents owned by the International Mfg. Co., under the personal supervision of the inventor thereof. . . . . .

We also make the finest Tandem on the market, both double Diamond, and Diamond and drop frame. . . . . .

The Union Nut & Bolt Co.

107 Chambers and 91 Reade Sts., New York.

Agents for Northern New Jersey, and Central and Eastern New York State and the Metropolitan District; also the Export Trade.

We want an Agent in every large town and City in our territory. Write for Terms. . . . . .

IMPORTANT AUCTION NOTICE.

OPENING SALE OF HOUSEFURNISHING GOODS.

E. BISSELL, SON & CO.,
AUCTIONEERS.

Thursday and Friday, Jan. 16th and 17th, 1896.
AT 10 O'CLOCK EACH DAY.

At No. 12 Murray Street and 15 Park Place, New York.
BY ORDER OF

The Lalance & Grosjean Mfg. Co.
ON SIXTY DAYS TIME FOR APPROVED NOTES.

Large Special and Peremptory Auction Sale of Over

6000 Cases
Peerless Enameled Ware,
Crystal Steel Enameled Ware,
and Blue and White Ware.

Comprising a full and Complete assortment
IN CASE LOTS OF

Tea and Coffee Pots, Tea Kettles, Lipped Saucepans, Wash Basins, Dish Pans, Convex, Berlin, Windsor, Climax and Straight Saucepans and Pots, Preserving, Windsor and Stove Kettles, Water Pails and Buckets, Covered Pails, Fry Pans, Dippers, Milk and Pudding Pans, Milk Boilers, &c., &c.

ALSO

A Large Assortment of Enameled Ware,
To be Sold in Open Lots.

ALSO

Stamped Tinned Ware,
Comprising a Large Quantity of
Tinned Dish Pans, Saucepans, Milk and Pudding Pans, Dippers, Polished Fry Pans, Tea, Table and Basting Spoons.

Cases of WRINGERS, &c.

The entire Catalogue and Duplicates will be sold without reserve. The Sale will be worthy the attention of all buyers who desire LEADERS for their BARGAIN SALES.

Catalogues ready January 13th.

We are also instructed to sell Without Reserve for account of Original Purchaser, on 60 days time approved notes,

A DESIRABLE LINE OF

FIRST QUALITY PURITAN WARE.

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not what they should be, dealers who cannot pay all of maturing bills are generally able to pay a part, adding expressions of gratitude for leniency and with promises to pay more soon, keep the jobber good natured, and taking all in all, there is very little real cause for complaint.

There is practically no business in nails or barb wire, and what little Hardware trade there is, is made up of a thousand and one items of a general character for present needs, which indicates that stocks in the hands of dealers are small indeed, and also that buyers are exceedingly cautious and conservative just now.

SICKELS, PRESTON & NUTTING CO.

THE PITTSBURG TRADE.

Jobbers of Hardware are now arranging their plans for the New Year's business. Traveling men are being posted up, and will take the road shortly. Prices of Wire have gone down to what seems to be hardpan, and the expectation is that there will be a recovery within the next thirty to sixty days. If the finances of the country can be wisely arranged, we think other conditions point to a steady improvement in business. LOGAN, GREGG & CO.

THE PHILADELPHIA TRADE.

The new year is still too young to know much about business, and while jobbers are very busy it is all, apparently, unprofitable work, such as pricing up salesmen, taking stock, commencing new books and preparing for trade. Business in the meantime is necessarily at a standstill, as neither jobbers nor retailers care to talk business at this season; but by the middle of the month, however, things will once more be in full swing, and prospects point to a fair trade.

Prices remain with very little change; nails are still firmly held at the top figures; barbed wire has undergone quite a reduction, owing to the dissolution of the association.

The weather is cold and sharp, and will probably prove a great benefit to all dealers who have stocks of winter goods. We are always glad to see a cold snap come at this time of the year, as it helps to clean out seasonable articles and to make room for forks, hoes, poultry netting, ice cream freezers, and all the bulky goods which go to make up spring stock. BIDDLE HARDWARE CO.

THE CLEVELAND TRADE.

The holidays and early January are always very dull and not productive of any features of general interest; therefore there is very little to be said in regard to the trade conditions at present. Everybody seems to be playing a waiting game, and conflicting opinions are held in regard to the future of the markets. Some are bold enough to state that there will certainly be advances as soon as the spring demand commences. It is certainly not unreasonable to expect that there will be a stiffening of prices at that time, but as for any marked advance, unless the demand is very much greater than now seems possible, it can hardly be looked for.

The Bicycle Show at Chicago is now in progress, and to the thinking man is a fair exposition of the enormous development and size of this country. When we think of the possibility of putting into the hands of the American people nearly 1,000,000 vehicles of this description which will probably be done during the year of 1896, it almost seems beyond belief.

We anticipate a brisk demand for seasonable goods very soon, and, in fact, have had up to date a better demand than is usual at this time of the year. The market on Wire Cloth has been unsettled, but seems to be regaining its normal tone. THE MCINTOSH-HUNTINGTON CO.

THE BARNES WHITE FLYER

Is a Popular and Trustworthy Mount.

IT can boast of more novel features than any machine on wheels.

The Barnes Cycle Co.,

Write for Catalogue. Syracuse, N. Y.

The Clauss Shear Co., Fremont, Ohio, announce that the great success which has attended the sale of the Clauss serrated edge bread knives has induced them to add many new patterns, which are shown in a supplement to their catalogue recently issued. It will be sent on application.

Robinson & Fox, exporters and importers, with offices in Boston, New York, and Newfoundland, have gotten out a most convenient calendar for 1896. The figures are large, and easily read at a glance, which makes it suitable for office use.

Otto Krebs, Philadelphia, has moved from No. 512 Commerce Street to No. 3506 Germantown Avenue.

The Kirk-Young Mfg. Co.

TOLEDO, OHIO.

Manufacturers of

High Grade Wheels

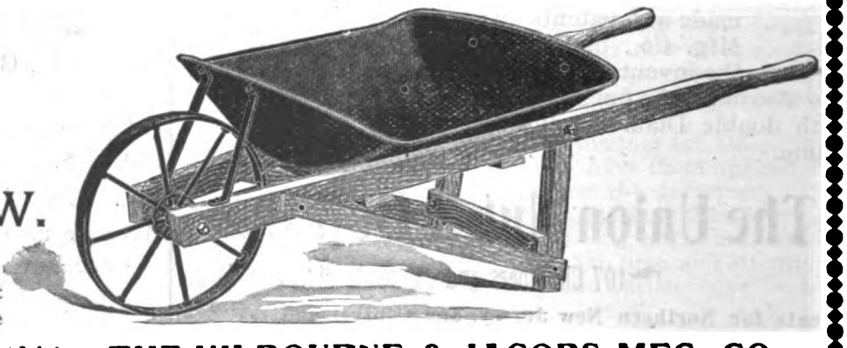
At Medium Price.

Especially Designed for the Hardware Trade.

Write for Territory and Prices NOW

PAN-AMERICAN R. R. BARROW.

With Round Steel Spoke Wheel. The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.



Write THE KILBOURNE & JACOBS MFG. CO.

COLUMBUS, O., U. S. A.

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The Hardware Club.

The following gentlemen have been unanimously elected to membership in the New York Hardware Club since our last report:

Edward Ashforth, No. 1509 Broadway.
S. Fischer Miller, No. 39 Cortlandt Street.
W. W. Owens, Jr., No. 93 Nassau Street.
Winthrop Parker, No. 181 Broadway.
John B. Phillips, No. 93 Nassau Street.
Henry H. Spies, No. 115 Broadway.
Paul Wilcox, Temple Court.

Because of the absence of Secretary J. L. Varick in South America for several months, E. C. Van Glahn was unanimously elected to the office of secretary *pro tem.*

E. Bissell, Son & Co., No. 12 Murray Street, and No. 15 Park Place, New York, announce their opening sale of house-furnishing goods on January 16th and 17th, at 10 a. m., of each day. They will then dispose over six thousand cases of Peerless Enameled Ware, Crystal Steel Enameled Ware, and Blue and White Ware, on order of the Lalance & Grosjean Mfg. Co. A full list of these goods will be found on page 43 of this issue. A large assortment of Enameled Ware will also be sold in open lots; also Stamped Tinned Ware, Wringers, Puritan Ware, etc.

The Cleveland Twist Drill Co., Cleveland, Ohio, are distributing among their friends "The Daily Reminder." This little diary and calendar combined is intended to serve as a calendar, giving the day of the month, the day of the year, holidays, etc., but its especial use is to remind one of things to be done each day. In this form it becomes a pocket mentor, which, if regularly used and often consulted, soon proves itself a valued companion. At the end of the year the "Reminder" should be preserved as a valuable record of the engagements of the year.

Samuel Hall's Son, No. 229 West Tenth Street, New York, manufacturers of Hall's Improved Pipe Wrench, which has gained such a widespread popularity during the past year, state that any part of this wrench broken with fair usage, will be replaced without charge; also that Dunham, Carrigan & Hayden Co., of San Francisco, Cal., have been appointed distributing agents for the Pacific Coast.

HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

The Marlin Fire Arms Co. have received the certificate of highest award, with gold medal, as a reward for the excellence of the exhibit shown in the Atlanta Exposition. The exhibit consisted of the well-known repeating rifles and revolvers of their manufacture.

SCHOVERLING, DALY & GALES

302 BROADWAY.

Gales' Cycles

Seamless Tubing, All Wrought Forgings, Columbia Pattern Crank Axles, Patent Adjustable Rear Forks.

$100.00 WHEEL FOR $75.00.

MANHATTAN CYCLES,

24, 26 and 28 Inches.

The best Cheap Wheels in the market.

Wheels FOR The People

"APOLLO," $75.00

"VESPER," $50.00

High Grade Juvenile Wheels

"CYCLOE" AND "FAIRY."

LAMPS, BELLS AND SUNDRIES.

Call and see us at Space 49

CHICAGO CYCLE SHOW.

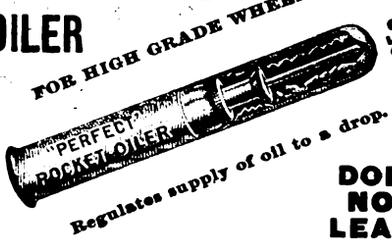
EDW. K. TYRON, JR. & CO.,

Send for Catalogue Ready January 1st.

PHILADELPHIA.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.

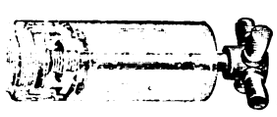


Regulates supply of oil to a drop.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of ours

FORBES PATENT DIE STOCKS.



CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden St., Bridgeport, Conn.

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Syracuse Bicycles

SPIN TO WIN.

Keep Your Eye on the Crimson Rims.

It always pays to buy the best and doubly so when the best costs no more than one not so good.

$100

THE CRIMSON RIM SYRACUSE WHEEL

is the highest type of standard high grade bicycles. Besides being one of the handsomest and prettiest wheels, it is the lightest and strongest.

There is but one Crimson Rim--
It is the SYRACUSE.

It will pay Hardwaremen to correspond with us.

Chas. J. Stebbins,

103 Reade Street, New York City.

Agent for Southern New York and Northern New Jersey.

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Gives Perfect Satisfaction

To both Buyer and Seller.

The Envoy AND Fleetwing.

We will exhibit at Chicago Cycle Show in space 178 and 179, at the New York Show in space 179, where we will be glad to meet our friends. . . . . .

Manufactured by the

BUFFALO CYCLE CO.,

Buffalo, N. Y.

Get in Line for 1896 Agency.

APPLY AT ONCE.

Your Business is Incomplete

If you have not added to it a line of high grade and reliable bicycles. True as this is, it is fully as true that nothing will so jeopardize your business and reputation as a line of unreliable wheels, whose only virtue may be cheapness. . . .

GOLD CRANK **FALCON** BICYCLES

Are well and favorably known from Maine to Texas. A **FALCON** agency contract is as good as greenbacks. . . .

Write for Catalogue and Discounts

The Yost Mfg. Co.,

Yost Station. TOLEDO, OHIO.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Rogersville, Ky.—M. K. Benson.
Salem, Mass.—Waters & Brown.
Terrell Tex.—The Terrell Hardware Co.
Waukegan, Wis.—J. Lanyon & Son.

Record of Changes.

Afton Iowa.—Dietrick & Olinger, Hardware, etc., reported to have dissolved partnership.

Argusville, N. Y.— W. G. Hanson has purchased the Hardware store of George Conrad, and taken possession.

Barnard, Mo.—Casper Kaiser, Hardware, reported sold to Parish & Moore.

Benton Harbor, Mich.—The partnership existing between J. M. Morley, Thomas Harvey, Henry Garretsee and Arthur Seeley, known as the Benton Harbor Hardware Co., has been dissolved.

Bowling Green, Ky.—Dixon & Ward have been succeeded by Ward Bros. in the Hardware business.

Brockwayville, Pa.—George Britton has bought the interest of R. A. Kearney in the Hardware store of R. A. & T. C. Kearney. The firm is now known as Britton & Kearney.

Clayton, Ill. — The firm of Carver & Houston, Hardware dealers, has been dissolved, Mr. Houston retiring. Mr. Carver will continue the business.

Culpeper, Va.—George F. Stringfellow, who has for the past several years conducted a large Hardware business, has sold his stock and business to W. Angus Thomas.

Davenport, N. Y.—E. I. Sherman has sold his Hardware business to Chas. Fanning and W. A. Hazlett.

Dothan, Ala.—Russell Porter has bought his partner's interest in the Hardware business of Murphree & Porter, and will continue the business in his own name.

Goodland, Kan.—J. J. Warriner & Son, Hardware, reported sold to L. E. Purdy.

Holland, Tex.—Cass & Davis, Hardware and saddlery, reported to have been succeeded by T. M. Cass.

Jacksonville, Tex. — Hodges & Tilley, Hardware dealers, have been succeeded by Hodges & Morris. The new firm has removed recently to larger and more commodious quarters.

Killeen, Tex. — Yarbrough & Burkes, Hardware, reported to have been succeeded by Burkes, Roberts & Harris.

Leakesville, N. C. — Carter & Carter, Hardware dealers, have dissolved partnership, and have been succeeded in business by Carter & Moir.

Lewis, Iowa.—D. A. Burckhalter, Hardware, etc., reported to have been succeeded by W. H. Pierce.

Mansfield, Ohio.—S. E. Bird, Hardware, has been succeeded by the new firm of Guthrie, Crummey & Hine.

Marion, Ky.—H. L. Elder, Hardware, etc., has been succeeded by Adams & Elder.

Nashville, Mich.—Boice Bros., Hardware, reported to have been succeeded by E. T. Boice.

Nelson, Neb. — Templeton & Withers, Hardware, have gone out of business.

Niles, Mich. — Henry Rennie has purchased the Hardware store of Roe & Neib.

Norwich, N. Y.—Ira C. Wightman has sold his Hardware business to Charles G. Nash and Clarence King. The stock will be moved to the old location in the Baker building.

Oak Grove, Mo.—The Oak Grove Hardware Co., stock purchased by Messrs. L. C. Gordon, T. A. Ferguson and Ben Fishback, who now have charge of same.

Oneonta, N. Y.—Hon. Walter L. Brown, for many years a leading Hardware dealer of Oneonta, has sold a half interest in his business to ex-Sheriff John A. Ward, of Morris.

Orwell, Ohio.— Fred Stevens has purchased the Hardware store of F. L. Bissell at East Orwell.

Parker, S. D.—Loeffler & Weaver, Hardware, reported to have dissolved partnership.

Pecos, Tex.—E. C. Landchasser, Hardware, etc., has been succeeded by Thomas Haghland.

Perry, N. Y.—M. H. Olin has sold his interest in the Hardware business of M. H. Olin & Son to Charles A. Peck, of Avoca, N. Y. The new firm will be known as Olin & Peck.

Phenix, R. I.—Martin Bradford, who for the past ten years has been in the Hardware business in Phenix, has sold his stock to Byron Snell.

Pierce City, Mo.—J. H. Booten & Co., Hardware, sold business to D. S. Fowler & Co.

Pleasant Hope, Mo.—Pace & Fawcett, Hardware, have been succeeded by Pace & Bryant.

Plymouth, Wis.—J. M. Darling, of Sheboygan, Hardware dealer, will enter into partnership with Fred Timm.

Rest, Kan. — The Hardware firm of Hughes & Mead have been succeeded by Hughes & Rowen.

Rimersburg, Pa.—B. B. Stewart, junior member of the firm of G. W. Stewart & Bro., Hardware merchants, recently purchased the entire business and will hereafter conduct the business alone.

Robinson, Kan. — Emmett Truex has bought the Hardware business of Dan Moyer, and the firm name will be Truex & Truex.

Sacramento, Cal.—John Landis & Sons have opened a store in the building formerly occupied by the Granger Co-operative Association, and will carry a full line of Hardware and agricultural implements.

Sheffield, Ala.—B. H. Adams & Co., Hardware dealers, have been succeeded by the Adams Hardware Co.

Shelby, Neb. — The pioneer Hardware store of Charles Krumback has been purchased by W. E. Dunning and Charles Casselberry.

Troy, Mo.—Wright & Bragg, Hardware. Mr. Bragg has sold his interest in the business.

Weston, Neb.—March & Bartek, the Hardware firm, have sold their business and entire stock to Joseph Staska of this place.

Improvements and Removals.

Bay City, Mich.—Frank Schram, of Michigan Avenue, is getting material for a new addition to his Hardware store. It will be 16x40 feet.

Belvidere, Ill.—Wm. W. Ray has moved his stock of Hardware into his new building on State Street.

Newtonville, Mass.—E. C. Gardner & Co., the Hardware merchants in Associate's Block, removed their business to their Boston store recently.

New York, N. Y.—The West Side Hardware Co., at No. 517 Eighth Avenue, are having new store erected.

North Hudson, N. J.—F. Schneider & Son, Hardware dealers, will erect a handsome store at Bergenline Avenue and Franklin Street, Union Hill, at a cost of $25,000.

St. Augustine, Fla.—The Hardware stock of Pacetti & Baya has been moved into the Genovar Building on St. George Street.

Business Embarrassments.

Axtell, Kan.—Ely Bros. & Axtell, Hardware, agricultural implements, etc., reported to have made an assignment.

Liberty, Ind.—W. Levison & Son, Hardware, reported to have made an assignment. Liabilities, $4000; assets, $6000.

Little Rock, Ark.—The Lamberson Hardware Co. made an assignment recently to Geo. M. Street. Liabilities, $4000; assets, $7000.

Minneapolis, Minn.—E. O. Rognas, Hardware dealer, reported to have made an assignment.

Perry, Iowa.—Bartow & Myers, Hardware, have assigned to J. B. Saum and W. E. Shotwell. Assets, $5500; liabilities, $4500.

Burglaries in Hardware Stores.

Buffalo, Minn.—McGaffey, $200.

Cambridgeboro, Pa. — Smith & Wilber, $25.

Chicago, Ill.—Theodore Krueger & Co., $80, and safe damaged.

Chicago Junction, Ohio.—Hunter, $100.

Denison, Tex. — Pollard, Hoen & Co., $100.

New York, N. Y.—Louis Christman, $35.

South Bethlehem, Pa. — Milton Laufer, $25.

Vallejo, Cal.—John Brownlee, $300.

Fires in Hardware Stores.

Council Bluffs, Iowa.—Empkie & Suchart, Hardware, destroyed by fire, at a loss of $100,000.

Indianapolis, Ind. — Hildebrand Hardware Co., reported to have been destroyed by fire at a loss of $60,000; insured.

Shamokin, Pa. — W. H. Unger & Co., Hardware, reported damaged by fire to the extent of $800.

St. Paul, Minn.—C. L. Horst, Hardware, No. 500 St. Peter Street, stock destroyed by fire.

Vienna, Ill. — J. A. Parker, Hardware, damaged by fire. Loss, $3000.

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SUNOL BICYCLES * SUNOL BICYCLES

Number 248.

That is our space at New York Show, Mr. H. C. Burleigh in charge. We hope to see you.

The McIntosh-Huntington Co.,

Cleveland, Ohio.

SUNOL BICYCLES * SUNOL BICYCLES

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

Window Screen Manufacturers

Who wish to sell their goods in New England should write to

H. G. HIGGINS & CO.,

Manufacturers' Selling Agents

19 Pearl St., Boston.

SKATE GRINDING MACHINERY

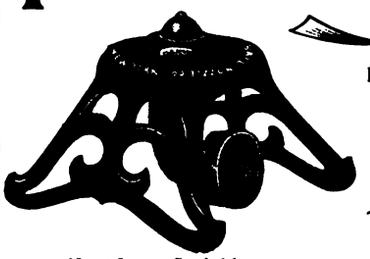
WILL GRIND HARD SKATES OR SOFT.

IMPROVED FOOT POWER GRINDERS.

Prices Reduced.

Charles Perkins, Bridgewater, Mass.

The Ball Nozzle for '96.



No. 6 Lawn Sprinkler. BALL NOZZLE for '96.

Prices Reduced for 1896.

For LOW PRESSURE.
(Works under Five Pounds Pressure.)

HIGH PRESSURE,

ANY PRESSURE.

The Acme of Perfection of

LAWN SPRINKLERS.

Manufactured solely by the **American Ball Nozzle Company,**

837-847 Broadway, New York.

Write for Prices

BRANCH HOUSES:

421 Market St., San Francisco. 519 Marquette Building, Chicago.

SEND FOR CATALOGUE.

Hunt

BICYCLE SADDLES

WESTBORO, MASS.

Request

Your Manufacturers or Jobbers to deliver your Bicycles fitted with

Hunt Saddles and Tool Bags

If you desire first class goods.

FENTON WHEELS FOR 1896



Are Models of . . . .

Perfect Proportion
Beauty and Strength
1¼ Main and 1½ Head Tubes
Tubular Hubs
Ball Retaining Cases
Mahogany Rims

Send for Catalogue

P. S.—Fenton Wheels have Blue Crowns.

FENTON METALLIC MFG. CO., Jamestown, N. Y.

LIGHT .·. SAFE .·. COMFORTABLE

Dealers, Write for Discount.



Jobbers, Ask for Electrotypes.

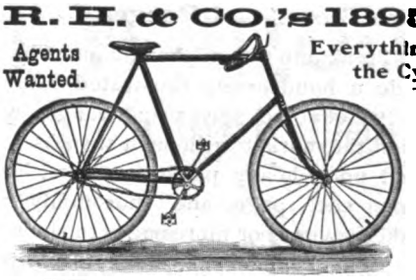
Manufactured by **Geo. Hilsendegan,**

DETROIT, MICH.

R. H. & CO.'s 1895 LINE!

Agents Wanted.

Everything Required by the Cycle Dealer.



The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Albany, Ind.—The Albany Mfg. Co., incorporated. The company is composed of local capitalists and the directors are C. F. Smith, A. B. Gates, Philip Goetz, J. T. Tedrowe and A. J. Beverage. The purpose of the company is to manufacture tubing, machinery and all appurtenances for the manufacture of bicycles, including all classes of machinery. Capital stock, $1,000,000.

Baltimore, Md. — The Deuber Co., for dealing in novelties and labor-saving devices, was incorporated recently by Charles C. Denison, Frederick I. Mosher, Daniel H. Emory, Jasper M. Berry and Jasper M. Berry, Jr. The capital stock is $5000.

Chicago, Ill.—The Butler Mfg. Co.; capital stock, $2500; to manufacture Hardware. Incorporators—M. E. Butler, E. L. Church and H. R. Niland.

Des Moines, Iowa.—The Musgrave Co., incorporated to manufacture wire fencing, etc. Capital stock, $100,000. The incorporators are E. C. Musgrave, J. S. Mangehmab, G. I. Huffman, L. M. Jackson and W. W. McCullough.

Hartford, Conn. — The Acme Machine Screw Co. has filed articles of incorporation with the State secretary. The capital is $10,000, divided into 100 shares.

Indianapolis, Ind. — The Indianapolis Wrench & Stamping Co., incorporated by Charles Meggenhoffen, Harry E. Reeves, Charles M. Bundy and others. Capital stock, $10,000.

Ironton, Ohio.—The Standard Tool Co. has been organized by Dr. E. C. Sloan and J. H. Salisbury. The castings will be made away from Ironton, but the tools will be finished up in the shop here by Mr. Salisbury. Dr. Sloan furnishes the financial backing for the firm.

Kansas City, Mo.— The Black Diamond Mining Tool Co. have filed articles of incorporation, with Jacob R. Cline and Robert L. Yeager, of Kansas City, and H. B. Green, of Lynn, Mass., as incorporators. The company will manufacture and deal in mining tools and machinery. Capital stock, $5000.

Muskegon, Mich.—A company to manufacture locks has been organized by G. J. Madison, C. H. Hackley, Thomas Hume, L. G. Mason, H. L. Delano, A. V. Mann and J. W. Moon. The upper stories of the Chemical Engine Co.'s factory will be utilized, and from fifty to seventy-five men will be employed. It is calculated that the new factory will have a capacity of 100 dozen locks daily. L. G. Mason is president of the company, and H. L. Delano, secretary. Mr. Mason will superintend the business.

New York, N. Y.—The Alexander Nut Lock Mfg. Co., incorporated by M. H. Alexander, John W. Johnston and R. R. Brown. Capital stock, $20,000.

Orange, N. J.—The American Trimmings Syndicate, to do a business in brass goods. The incorporators, who have a capital of $200,000, are Peter C. Argylo and Charles Campbell, of New York; Miltiades Cossenas and Joseph S. Ward, of Brooklyn, and Clarence E. Williams, of Orange.

Providence, R. I.—The Nelson Seamless Filed Wire Co., incorporated with a capital stock of $100,000. The company have secured the entire second floor of the building at Pine and Eddy Streets, formerly occupied by the Providence Steam & Gas Pipe Co., and will begin the manufacture of wire immediately.

Syracuse, N. Y.—The Henesy Mfg. Co., incorporated by John Dunfee, M. H. Henesy, John C. Keefe and May E. Henesy; to manufacture Hardware and plumbers' supplies. Capital stock, $10,000.

Syracuse, N. Y.— The H. H. Franklin Mfg. Co., incorporated by Robert R. Franklin, James Parr Gedder, G. H. Stillwell and others; to make and sell metal castings, etc. Capital stock, $100,000.

Verona, Pa.—The Dexter Spring & Gear Co., incorporated, with a capital stock of $50,000.

West Troy, N. Y.—The American Bolt & Rivet Co., incorporated. The officers are: George Mark, president; Charles L. Mather, secretary and treasurer; Frank Danks, general manager; J. J. Zimmerman, of Troy, and J. M. Brown, New York, with the other officers, compose the board of directors. The capacity of the factory will be about 90,000 bolts per day, and will give employment to forty men.

Changes and Removals.

Cincinnati, Ohio.—A syndicate composed of Thos. P. Egan, president of the J. A. Fay & Egan Co.; Chas. Davis, president of the Lodge & Davis Machine Tool Co.; Robert Laidlaw, president of the Laidlaw-Dunn-Gordon Co., and Thos. McDougall, have purchased the $240,000 worth of stock owned by the Lodge contingent in the Lodge & Davis Machine Tool Co.

New Buildings and Improvements.

Belfast, Me.—B. Kelley & Co. have recently added eight large grindstones to their axe factory.

Belleville, Ill.—The Crescent Nail Mills have recently put in two new boilers twenty-two feet in length and sixty inches in diameter. They are provided with twenty six-inch flues. The machinery at the mill has received a thorough overhauling during the holiday recess.

Canandaigua, N. Y.—The capacity of the Lisk Anti-Rust Tin Works in this village is to be enlarged by the addition of a twelve-ton drawing press, a tinning plant and a spinning lathe.

Cincinnati, Ohio. — The Lodge & Davis Tool Co. is putting a basement under the entire plant, which will enable it to increase its present force very perceptibly.

Taunton, Mass.—The Webster File Works are putting in a new grindstone, which stands six feet in height and weighs 4300 pounds.

Recent Fires.

Salem, Ohio.—J. Woodruff & Sons' foundry, destroyed by fire; insured for $13,500 on the foundry and $13,000 on the warehouse.

General.

Anderson, Ind. — The American Wire Nail Works, which have been shut down most of the time in the past two months, have resumed full operation. The working force is almost eight hundred, and all will be employed, including all-night forces. The company announce that the plant starts in with the new year for a full year's run.

Milwaukee, Wis.—The Eagle Brass Works have filed notice of dissolution.

Gasoline Stoves and Ranges.

The Schneider & Trenkamp Co., Cleveland and Chicago, are sending the trade a handsomely illustrated catalogue descriptive of the "Reliable" stoves and ranges which they are placing upon the market with such success. It is finely bound, printed upon heavy paper in colors, has an artistic heading upon each page, and thoroughly illustrated. When it takes seventy or more pages to show their full line, it will be seen to be rather difficult to attempt even a synopsis of the same, and the best thing that the enterprising Hardwareman can do is to send for a copy of this catalogue. Also send for their "Illustrated Puzzle and Circular of Reliable Gasoline Stoves and Ranges," both of which will be sent free on application. The "Puzzle" book is filled with good things. Of their catalogue, the manufacturers say: "To every dealer interested in the sale of Gasoline Stoves and Ranges, we offer this, our ninth annual catalogue, as representing the very best line of cooking devices that care and ability can produce. For the coming year we have added another line of high-class Junior Stoves. This new line will have extra large tops and large burners, producing the evaporating style flame. Our splendid facilities and long experience warrant the confidence that Reliable Stoves and Ranges will be better than any others for the season of 1896."

The semi-annual meeting of the Michigan Hardware Association will be held at Saginaw, Mich., commencing February 12th. All Hardware dealers of the State are invited to be present, as matters of great importance to the Hardware trade will be brought up. It does not matter whether a dealer is a member of the Association or not; he is earnestly requested, if possible, to be present.

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DEALERS.

Our new line of **Reliable Juniors** and step stoves with individual burner and **Process** flame, will surprise you. It is different from any other line of stoves both as to manner of construction and method of lighting.

IT IS A WINNER. Sample Stoves now ready.

On February 15, 1896, we will introduce a new departure in the Vapor Stove business by offering a GASOLINE STOVE that lights like gas. No Smoke. No Smell. Simplicity itself. A stove that will burn 63 naptha as well as 74 gasoline. . . . Place your order with us now for

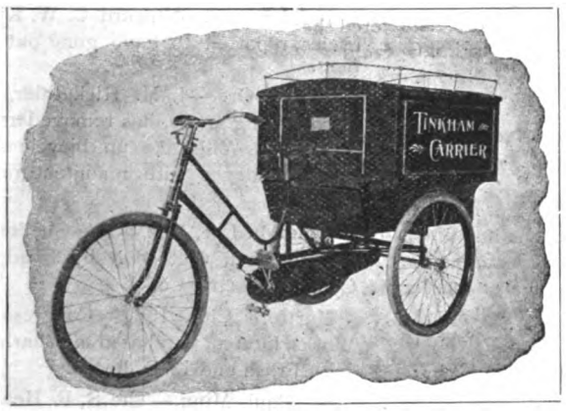
Process, Single Generator and Junior Stoves.

If you have not received our 1896 Gasoline Stove Catalogue, write us.

Send for our Illustrated Puzzle.

The Schneider & Trenkamp Co.,

Cleveland, Ohio, **Chicago, Illinois.**



The

Tinkham Carrier

Supplants the

Horse and Wagon

For All Light Deliveries.

Agents will do Well in Addressing us for Terms.

The Tinkham Cycle Co.,

306-310 WEST 59th STREET,

NEW YORK.

Spaces at
NEW YORK CYCLE SHOW,
151, 152, 153, 154.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Ambia, Ind.—C. A. Garner, Hardware, etc., is preparing to take up bicycles, and invites correspondence with manufacturers of wheels and sundries.

Brinkley, Ark.—James P. Smith, Hardware, etc., is preparing to take up bicycles, and invites correspondence with manufacturers.

Butler, Ind.—The Butler Co., manufacturers of windmills, pumps and well machinery, have commenced the manufacture of bicycles, turning out wheels listed at $85 and $100.

Cantbridge, Vt.—E. A. Pope, Hardware, bicycles, etc., has opened new store.

Cicero, Ind.—George Anthony is preparing to take up bicycles, and invites proposi tions from manufacturers of wheels and sundries.

Cincinnati, Ohio.—C. O. Hall and others have organized a new company, with a capital stock of $200,000, to manufacture bicycle sundries. Mr. Hall is the president and treasurer. A new roller-bearing sprocket and bicycle chain will be made a specialty.

Cincinnati, Ohio.—J. A. Ferguson and others are reported to be organizing a $2,000,000 company, to manufacture bicycles, from Mr. Ferguson's patent, which claims to operate an entirely new pedal plan, the pedals moving vertically, instead of describing circles. A mile a minute is claimed for the new invention.

Cleveland, Ohio.—The Union Cycle Mfg. Co. will establish local agency.

Cleveland, Ohio.—The L. & B. Cycle Mfg. Co. has been incorporated by Isaac Lewis, Wm. N. Booth, Eleazer Lewis, Geo. H. Kimball and Paul S. Johnson; to manufacture bicycles. Capital stock, $50,000.

Clifton, Iowa.—Steps are being taken, looking to the establishment of a bicycle factory, and Seymour Davis, of Philadelphia, is engaged on plans for two-story factory building, 40x100 feet.

Clinton, Iowa.—The Kane-Pennington Motor Cycle Co. is being organized by local capitalists to manufacture motor cycles.

Henderson, Ky.—Morris, Lockett & White, Hardware, bicycles, etc., have recently commenced business.

Jacksonville, Fla.—William Marion, bicycles, will open salesroom on Grenada Street, handling the Waverley wheel, and will do a rental business.

Jacksonville, Fla.—Wheeler & Howett, bicycles, have opened salesroom in the Sanchez Block, handling the Eagle and the Middlesex, and doing a general repairing business, having machinery sufficient to construct an entire wheel.

Jacksonville, Fla.—E. T. Duffy, bicycles, has established a Spaulding agency on Cycle Row, and will do a general repairing business, also a rental business.

Kalamazoo, Mich.—The Celery City Cycle Co. has secured factory facilities, and has commenced the manufacture of bicycles.

Kent, Wash.—H. N. Ockford, sporting goods, bicycles, etc., has commenced business.

Medina, N. Y.—L. W. Hopper, Frank Houseman, W. Wilmarth and Warren M. Hommadieu are interested in the establishment of a bicycle factory. Erection of the necessary buildings has been commenced.

Murray, Ohio.—Castell & Harbaugh, Hardware, etc., are preparing to take up bicycles, and invite correspondence with manufacturers of wheels and sundries.

Muskegon, Mich.—H. K. and W. K. Firth and C. H. Shaffer have formed a stock company for the manufacture of bicycles. They have secured factory facilities, and are now in the market for the necessary machinery.

New Brighton, S. I.—The Staten Island Bicycle Co. has filed its certificate of incorporation. Capital stock, $100,000.

Newport, Ark.—G. W. Weast, Hardware, etc., is preparing to take up bicycles, and invites propositions from manufacturers.

New York, N. Y.—The Fowler Cycle Mfg. Co., of Chicago, have opened New York office on the street-floor of the Mutual Reserve Building, at No. 307 Broadway, with James H. Robley as resident manager.

New York, N. Y.—The Elmwood Cycle Mfg. Co. has been incorporated by Wilbur E. Goodwin, of Elmwood, Conn.; Frank S. Parmelee, Clarence B. Harter and Louis Brass, of New York City. Capital stock, $12,000.

New York, N. Y.—Cheever, Coit & Co.; to manufacture bicycles. Capital stock, $60,000. Directors: Victor E. Burke, Geo. W. Ihl and Lemuel Evans, of New York City.

Ottawa, Kan.—Durst Bros., Hardware, bicycles, etc., are preparing to open new store.

Owensboro, Ky.—J. G. Delker and others are preparing to commence the manufacture of bicycles, with B. B. Clark as manager.

Pensacola, Fla.—John Sherry has commenced the manufacture of bicycles.

Pittsfield, Mass.—Barker & Belden are preparing to establish a bicycle factory. A model wheel is now being built. The concern will buy parts and assemble them here.

San Francisco, Cal.—Holbrook, Merrill & Stetson, bicycles, have been given the Pacific Coast agency for the wheels manufactured by Geo. N. Pierce & Co., Buffalo, N. Y.

San Francisco, Cal.—Clarence E. Martling, bicycles, corner San Pablo Avenue and Fifteenth Street, Oakland, Cal., will soon establish branch house in San Francisco, having become the coast representative of the Syracuse Cycle Co.

Sheboygan, Wis.—The Jenkins Mfg. Co. announce their intention to commence the manufacture of bicycles. This company have large machine shops, which will be equipped immediately for their new departure.

Springfield, Mass.—Clarence A. Smith, of the National Cash Register Co., of Dayton, Ohio, is said to be at the head of a movement to organize a company to establish a bicycle factory.

Toledo, Ohio.—The Kirk-Young Mfg. Co., incorporated by H. J. Young, Ezra E. Kirk, E. Kirk, Arthur W. Kirk and W. H. Williams, to manufacture bicycles and bicycle supplies. Capital stock, $30,000. This corporation succeeds the H. J. Young Mfg. Co.

Toledo, Ohio.—The Yost Bicycle Co. is fitting up new store on Adams Street, and will conduct a riding academy and a repair shop.

Verona, Pa.—The Dexter Spring & Gear Co., incorporated, with a capital stock of $50,000.

Westville, Conn.—Jesse W. Starr, of New York, is at the head of a new company, which will establish a bicycle factory, employing one hundred hands, and which will occupy the old factory of the New Haven Nut Co. The company will manufacture a wheel to be known as the Elm City.

Zanesville, Ohio.—The Zanesville Cycle Co., in which T. M. Harsch and Fred C. Zinsmeister are interested, will begin business February 1st. These gentlemen have completed the purchases of supplies for their new factory.

Changes and Removals.

Anderson, Ind.—Carpenter & Miller, bicycles, reported dissolved. The business will be continued by Mr. Carpenter, and Mr. Miller will embark in a similar business for himself.

Boulder, Col.—Edward C. W. Kiefer, bicycles, reported to have gone out of business.

Colfax, Ore.—J. M. Hickethier, bicycles and sporting goods, has removed into larger quarters. Will take up bicycle sundries. Correspondence with manufacturers solicited.

Fond du Lac, Wis.—The Sneller Supply Co. has been succeeded by Fond du Lac Cycle & Electric Co.

Hartford City, Ind.—Congress Bicycle Works, interest purchased by Charles Frash John Frash and L. F. Beard.

St. Paul, Minn.—The S. F. Heath Cycle Co., at No. 324 Wabash Street, has been succeeded by the St. Paul Cycle Co. The business has been established since 1892.

Summit, N. J.—Ely & Henry, bicycles, will remove to larger quarters in the Risk Building, as soon as the latter is completed.

New Goods and Improvements.

Chicago, Ill.—The Griffin Wheel Co. has certified to an increase of its capital stock from $1,000,000 to $1,250,000.

Ilion, N. Y.—A company has been organized to manufacture the Powers, Pettingill Adjustable Handle-Bar.

Toledo, Ohio.—J. W. Hardin will commence the manufacture on Superior Street, between Jefferson and Monroe Streets, of a newly invented baby-carrier attachment for bicycles. He will have capacity for manufacturing 15,000 carriers for the '96 trade.

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YOU'RE WAITING

For our Catalogue, aren't you? Sorry, but we will have to keep you in suspense a while longer; for we are preparing a Catalogue which will be fit to adorn any library.



However, if you are in a hurry, we can supply you with an advance Catalogue describing

THE

Iver Johnson AND Fitchburg Cycles.

Write for it.

C. J. GODFREY,
11 Warren St., New York.
General Agent for New York, New Jersey and Pennsylvania.

Iver Johnson's Arms and Cycle Works,
FITCHBURG, MASS.

A Well Equipped Bicycle Factory

would like to find some article of manufacture with which to utilize its surplus machinery during Summer months.

Allen Manufacturing Co.,
Michigan City, Ind.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.
Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and
Nickel-Plating.



When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES
ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD BICYCLES

100.00
60.00
50.00
40.00

List Prices for 1896.

THE CRAWFORD MFG. CO.

BRANCH HOUSES:
New York, 70 and 72 Reade St.
St. Louis, 608 North 4th St.

Factory and Main Office:
HAGERSTOWN, MD.

New England Agents, Bigelow & Dowse Co., Boston, Mass.

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The "New Departure" for 1896

"We will be pleased to meet our friends at the Chicago Cycle Show Jan. 4 to 11- Spaces 220 & 221 - New York Cycle Show Jan 18 to 25 Spaces 246 & 247"

"Well, well, well! you take the cake I wonder if the people know that your price to the Trade has been reduced for 1896!"



The New Departure Bell Co; of Bristol, Conn. Import the Lamps and make the balance.

Send for Catalogue.

Electrotypes furnished free to dealers.

John H Graham & Co. Selling Agents 113 Chambers St New York

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Hardware Merchants

can sell our machines with pleasure and profit. We have had years of experience in the business, and expect to continue in it for years to come. To do so we must give full value in every sale, and this we do when we sell

WYNNEWOOD BICYCLES

Model	R	$100.
"	M	$75.
"	L	$75.
"	Z	$65.
"	B	$60.
"	C	$60.
"	X	$60.
"	Y	$55.
"	D	$50.
"	F	$40.

Good Agents Wanted.
Catalogue now ready.

A. M. SCHEFFEY & CO.,
92 Reade St., New York.

MEDIUM GRADE AND HIGHEST GRADE.



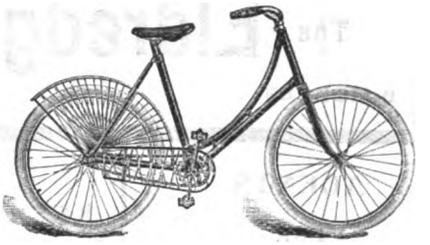
1896

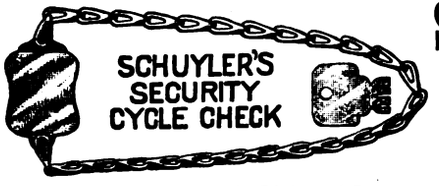
Rochester Bicycles

Are a revelation to lovers of the Silent Steed. . . . . .

Rochester Cycle Mfg. Co.,
ROCHESTER, N. Y.

PRICES
$75 AND $100





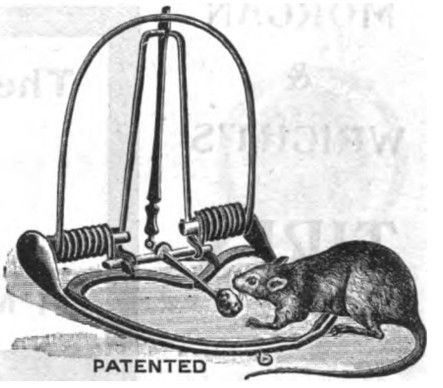
Handsomely Nickel Plated. Light and Strong.
Key fastens in lock when not in use.
The neatest and most secure Bicycle lock on the market.

Schuyler's New Rat Killer.

DO THEY SELL?

"The only traps that sell on their merit after being used. Send us five gross at once."
Builders' Hardware Co.,
New Orleans, La.

"In six days we sold 126 traps and could have sold 100 more if we could have gotten them."
Omohundro Hardware Co.,
Whitesboro, Texas.

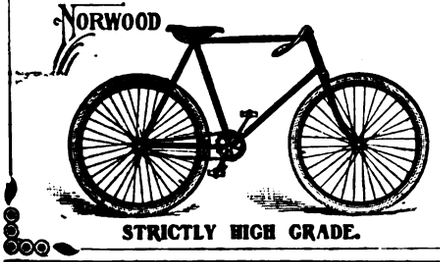


Our traps are adopted and used by the U. S. Government, and by nearly every Museum of Natural Science in the United States and Europe. Easy to set—pull up the spring and it snaps in place. Folds for packing in handsome shelf boxes. Write for circulars and prices. If your Jobber will not furnish them write to us. **Remember, We pay the freight.**

J. R. SCHUYLER & CO., BLOOMSBURG, PA.

A GOOD WHEEL

Is what people want, and we make it.



STRICTLY HIGH GRADE.

Our theory is not how cheap, but **HOW GOOD.** Every wheel guaranteed. Prompt deliveries insured during entire season.

Write for Catalogue.

Schlueter Cycle Mfg. Co.
Cincinnati, Ohio.

A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

Our Tires Are All Right.

WE MAKE

Single Tube, Double Tube and Detachable Tires.

SPAULDING & PEPPER CO.,
Chicopee Falls, Mass.

CYCLE CHAINS

If you Want the **BEST** Place Your Order With the

Indianapolis Chain & Stamping Co.,
INDIANAPOLIS, IND.

Roger B. McMullen & Co., General U. S. Sales Agents, 130 Lake St., Chicago, and 309 Broadway, New York City. John S. Leng's Sons' Co., 4 Fletcher St., New York City, N. Y. Depot. Elastic Tip Co., 370 Atlantic Ave., Boston, New England Depot. Western Rubber Co., 14 Fremont St., San Francisco, Pacific Coast Depot.

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AN UNEQUALED LINE TO SELECT FROM.

The **Eldredge**
6 MODELS

The **Valiant**
3 MODELS

AGENTS FOR MORGAN & WRIGHT'S TIRES

KEEP YOUR EYE ON THE CRIMSON RIMS.

AGENTS FOR HARTFORD RUBBER WORKS TIRES

The **SYRACUSE**
11 Models

SYRACUSE CYCLES SPIN TO WIN.

The **Girard**
2 MODELS

The **Ajax**
4 MODELS

A COMPLETE LINE OF SUNDRIES.

Supplee Hardware Co.,

WRITE FOR CATALOGUE.

PHILADELPHIA, PA.

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MONARCH

THE APEX OF BICYCLE PERFECTION.

IN our 1896 Models we have incorporated all the good things known to the best Bicycle Makers, including several features peculiarly our own. They are the crowning glory of our unparalleled success as builders of high-grade wheels—the concentrated extract of bicycle goodness.



WE also make **DEFIANCE**, the best of lower-priced wheels, especially adapted to the Jobbing Trade. Eight models for adults and children, $75., $60., $50 $40. Fully guaranteed.

Four Models,

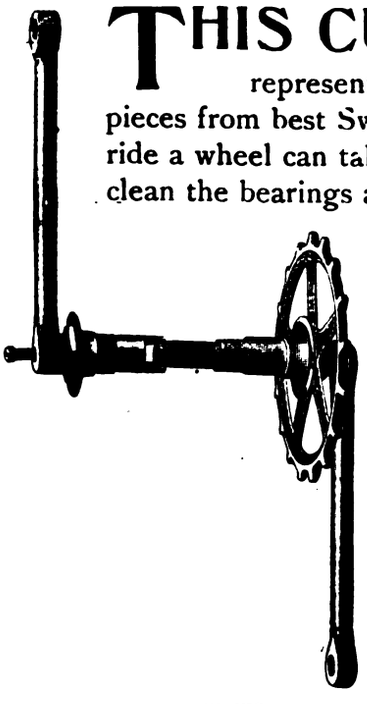
$80 and $100

Agents Wanted.

Write for Terms.

Monarch Cycle Mfg. Co.

83 Reade St., New York. **Lake, Halsted and Fulton Sts., Chicago, Ill.**



THIS CUT

represents our **Telescopic Detachable Crank Shaft,** forged in two pieces from best Sweedish Steel. How do you like it? Any child old enough to ride a wheel can take it apart or put it together. In four minutes you can take it out, clean the bearings and put it together again without disturbing the adjustment of the bearings in the least. The balls cannot fall out, there are no Cotter pins to annoy and vex you, in fact you have no trouble of any kind with this crank Nothing can be more simple—nothing more durable. Expert wheelmen pronounce it out of sight of any Crank now in use. Please remember you will find this Crank Shaft on every

WHEELER

Price $85.00

PATENT PENDING.

The Peer of Any Wheel on Earth.

Do not buy your '96 Mount until you have examined the Wheeler. We want Good Live Agents. It will be worth your time to write us for Catalogue and Discounts

The DEFIANCE BICYCLE CO.,

Defiance, Ohio.

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1896

Lovell Diamond Bicycles.

STRICTLY HIGH GRADE.

$100.

Lovell Excel Bicycles,

MEDIUM PRICE.

$40 ~~~~~~~~~~ to ~~~~~~~~~~ $75.

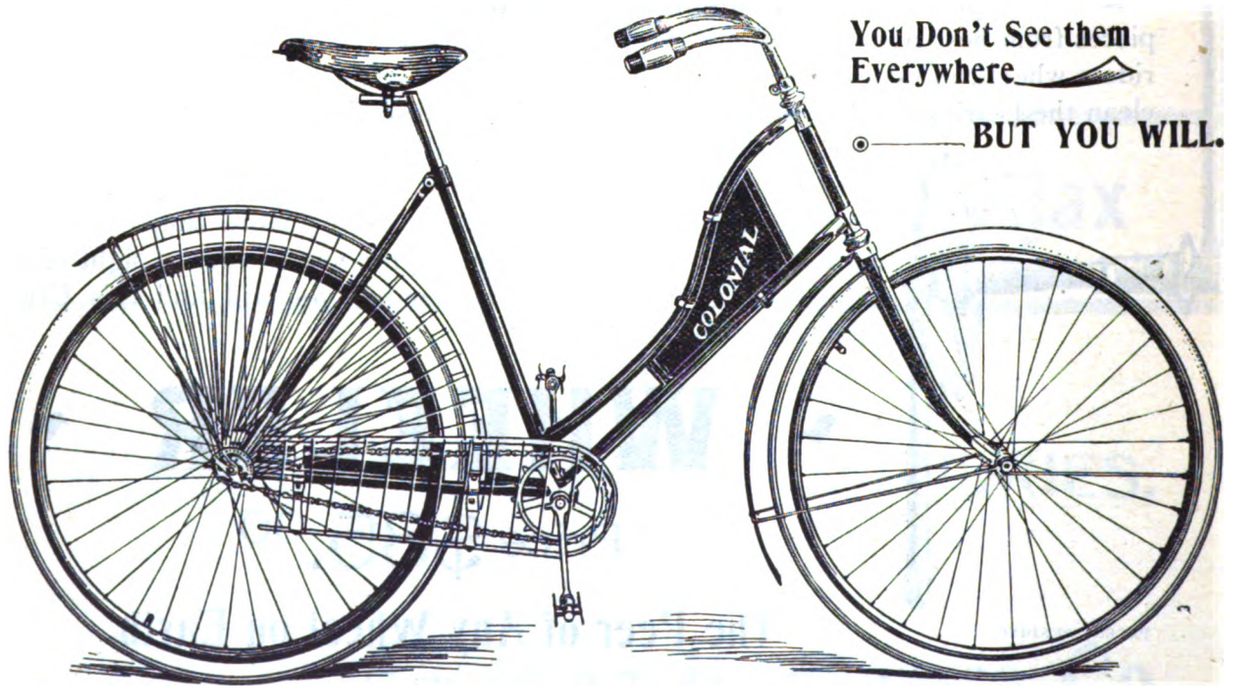
APPLY NOW FOR '96 AGENCY.

John P. Lovell Arms Co.,

BOSTON. MASS.

The Colonial

Recognized as the SOCIETY WHEEL.



You Don't See them Everywhere

BUT YOU WILL.

JOHN McCLAVE & SONS, MAKERS,

602-604-606 W. 22d ST., New York City.

Salesroom, 371 Fifth Avenue, Southeast corner of 35th Street.

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The Hardware Trade

can profitably handle **BICYCLES,** and make this department an important branch of the business, provided the wheels are strictly high-grade, and have an established reputation. For eighty years . . . . . .

Remington Products

have been known to represent excellence and reliability. The **'96 Models**

Remington Bicycles . .

are perfect in construction and unequalled in improvements. . . . . .

Are you handling the right line of Wheels?

Handsomely Illustrated Catalogue mailed free to any address.

Agencies arranged in unoccupied territory.

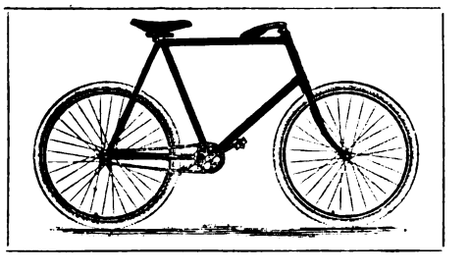
REMINGTON ARMS COMPANY,

Factories: Ilion, N. Y. **313-315 Broadway, New York City.**

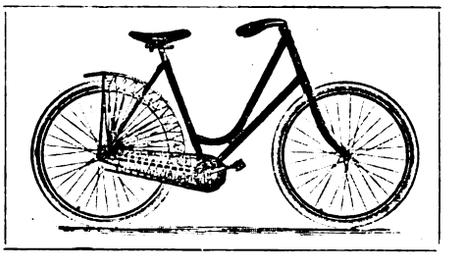
Ben-Hur Bicycles

Are built to stand "Hard Wear."

The pun is unintentional but the wheel is the result of six years' study and improvement.



BEN-HUR, No. 19.



BEN-HUR, No. 20.

THEY have always been as good as the best and they now are **"better than ever."** Our name plate is a guarantee of excellence.

Artistic catalogue, containing cuts and description of our four models and two tandems, ready for distribution. Send for one.

Central Cycle Mfg. Co.,

9 Garden St., Indianapolis, Ind.

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The Bicycle

Makes a Good Line, and

The Liberty

Makes a Good **BICYCLE**

HARDWARE DEALERS cannot afford to handle a wheel without a reputation; . . . . . *The Liberty* is

America's Representative Bicycle,

and its reputation extends from zone to zone.

Agencies placed in Unoccupied Territory.

The **LIBERTY CYCLE CO.,**
4 WARREN ST., NEW YORK.

WE INVITE CORRESPONDENCE

with the Hardware Trade, regarding agencies for the

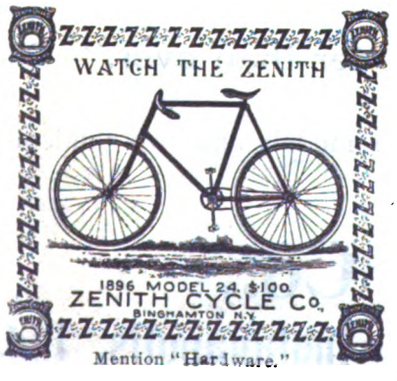
SHERMAN

A strictly **HIGH CLASS,** perfectly finished Wheel,

. . . . **Listed at $75.00.**

The Sherman Cycle Co.,

133-139 So. Clinton St., Chicago.



Mention "Hardware."

The "ZENITH"

has the following points of excellence: tool-steel bearings, absolutely dust proof, barrel hubs, easily detached cranks, large tubing, reversible handlebar, narrow tread. . . . . .

Write for advance Sheet.
Agents wanted.

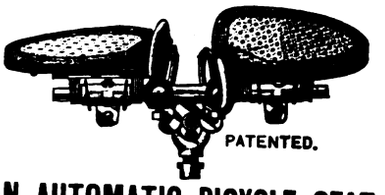
Zenith Cycle Co. Manufacturers,
Binghamton, N. Y.

Space No. 30, New York Cycle Show.

THE WHEEL THAT DON'T BREAK.
Price, $75.00.



Send for Catalogue and Territory.



AN AUTOMATIC BICYCLE SEAT

that tilts in perfect harmony with the motion of the leg. It is in two sections, each independent of the other. It is the only seat that doctors say overcomes the defects and dangers of riding, such as chafing, numbness, and entirely relieves the sensitive parts.

Ask your Hardware dealer to show it, or send for particulars to the

Automatic Cycle Seat Co.,
Grand Rapids, Mich.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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NEW FIRM, NEW FEATURES, NEW WHEEL.

"The Cayuga."

Thoroughly High Grade. List, $100.

We Want the Hardware Trade and Propose to Have It.

Our advance circular is now ready and will be sent upon application.

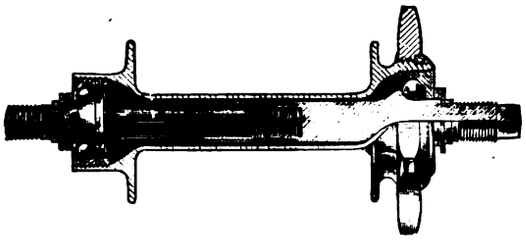
Manufacturers, The Iroquois Cycle Mfg. Co.,

393 and 395 Broadway, cor. Iroquois Place,

MICHAEL F. DIRNBERGER, JR.,
Secretary and Gen'l Manager.

Buffalo, N. Y.

Truman Bicycles.



This is our Coneless Hub.

CAN YOU BEAT IT
FOR SIMPLICITY?

All our Wheels fitted with this Patent Hub.

Apply now for Territory.
Plenty of Material.
Deliveries Guaranteed.

ADDRESS,
(Cable or Mail,)

Truman,
Toledo, O.



Bissell Carpet Sweepers FOR 1896

1895 closed the largest year in the history of the BISSELL CO. 1896 promises still larger results, and if meritorious goods and faithful service count for anything such can be assured.

Bissell Carpet Sweeper Co.

Largest Sweeper Makers in the World,

Factories and General Office } Grand Rapids, Mich.

EASTERN and EXPORT BRANCH,
103 Chambers Street,
NEW YORK.

Write for Catalogue and Prices.



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Stands for High Grade

In the minds of the large majority of Bicycle Riders.

Sager Saddles

Stand as a Trade Mark for **High Grade**. It recommends the Wheel that carries it. **62** of the leading manufacturers of the country recognize this fact and have placed their orders for 1896. . . . . .

SAGER MFG. CO.,

ROCHESTER, N. Y.

---

30 YEARS' EXPERIENCE

Working high grade metals into firearms has taught us a thing or two. Five years manufacturing Bicycles tells us the rest, and we know that there is no Higher Grade Bicycle made than the

MAJESTIC

WOMEN's Loop Frame, 22 inches. **$85.00** **MEN'S 22, 24 and 26 inch Frame.**

. . . AGENCIES CLOSING NOW. . . .

Talking Point No. 1--Four Different Sizes of Frames.

Send for Catalogue explaining the other points.

We refer to the following, as to whether we buy their best: Rims, Dann Bros.; Tubing, Birmingham Weldless Steel Tube Co.; Balls, Simmons; Steel, Spalding & Jennings; Saddle, Mesinger; Spokes and Nipples, Excelsior Wire Needle Co.; Tires, M. & W. and Hartford; Chains, Indianapolis Chain & Stamping Co.

Hulbert Bros. & Co. 26 West 23d Street, NEW YORK.

Mfrs. Fire Arms, Majestic Bicycle, Mesinger Saddles, Sundries and Sporting Goods.

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OUR 1896 MODELS READY TO SHIP.

PEER.

AGENTS WANTED
for exclusive territory.

Dust Proof
Barrel Hubs.

Tool Steel
Bearings.

Forged Steel
Sprockets.

Best 1 1-8-inch
Tubing.



Speed
Strength
Durability

PRICE,

$85.00.

EQUAL to any $100 Wheel on the market. . . . . Order sample and be convinced. . . .

GENTS' WHEEL NEXT ISSUE.

ALL other material the best that can be bought, and only skilled workmen employed. Over twenty-one years' experience in manufacturing High-Grade Vehicles and Wheels is guarantee of Perfection in our production. . . . . .

A. & F. Meyer Co.,

BUFFALO, N. Y.

Experienced AND Progressive Dealers

are looking for a wheel for the **present and future.** Not a bicycle of the **past.** Because a wheel was popular when riders were satisfied with a **forty pound roadster** it does not follow that it is up to the mark **to-day.**

The DAYTON

Is a Modern Wheel,

right in line with the ideas and demands of **up-to-date dealers** and riders, one which attracts attention, favorable comment and **trade** wherever shown.

REMEMBER! 1 1-4 inch tubing not swaged.

The Davis Sewing Machine Co.,

Dayton, Ohio.

338-340 Wabash Ave., CHICAGO. 76 Reade St., NEW YORK. 159 Tremont St., BOSTON.

AGENTS WANTED IN TERRITORY NOT ALREADY CONTRACTED.

Mention "HARDWARE."

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The Bison

Is 24 carat fine.
Handsome in design.
Superior in construction.
Excels all others in finish, and has stood the test.

Records like this are ours:
200-mile American road record. Time, 11:58:15.

AGENTS SECURE YOUR TERRITORY NOW, BEFORE IT IS TOO LATE.

Seyfang & Prentiss,

Manufacturers,

Retail Salesroom, 561 Main Street,
Office and Factory: 451-455 Washington St., BUFFALO, N. Y.

THE CLEVELAND CYCLE

The Highest of the High Grade

$100.00

Just a Little Better

DESIGN
CONSTRUCTION
FINISH
STRENGTH
DURABILITY
BEARING
CHAIN
PEDAL
TIRES

Than Any Other Cycle.

BEST SELLING
BEST SATISFYING
BEST TRADE BUILDER
IN THE MARKET.

Address for Prices, Terms and Territory

H. A. Lozier & Co.,

BRANCH HOUSES:
337 Broadway, New York City,
830 Arch Street, Philadelphia, Pa.
304 McAllister Street, San Francisco, Cal.

CLEVELAND, OHIO.

THE

Emblem Cycles

1896 Leaders



ARE BUILT TO RIDE.

Barrel Hubs, Wood Rims, Spokes and Nipples, in any quantity. . . . .

High Grade Wheels at a Medium Price.

Apply **NOW** for Territory.

Send for Catalogue and Prices.

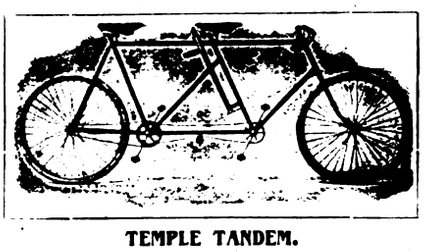
W. G. Schack,

641 875 Main St. • Buffalo, N. Y.

OUR CATALOGUE IS READY FOR 1896.

IT IS COMPLETE

With much information pertaining to bicycling and bicycles, and will prove interesting reading to all. Our line of wheels is one of the most complete on the market. We have three factories in which we build high-grade wheels, medium price machines and children's wheels.



TEMPLE TANDEM.

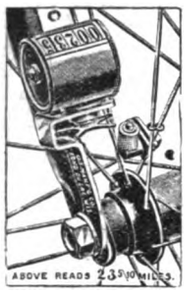
OUR PRICES at $100.00 to $40.00
Comprise Machines Listed at $40, $50, $60, $75, $85, $100.00, also $150.00 and $175.00 for Tandems and Parcel Carriers. . . .

WE MANUFACTURE our own Saddles, Pedals and Tires, and guarantee to keep our wheels in repair for one year.

Ralph Temple Cycle Co.,

CATALOGUE MAILED FREE (To any one.)
204 35th St., CHICAGO, ILL.

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U. S. Cyclometers for Bicycles.

U.S. CYCLOMETERS MODEL '96 DETACHABLE ODOMETERS and LAMP BRACKETS

FOR CARRIAGES.

10,000 MILES. WEIGHS 1¼ OUNCES. ONE INCH LONG.

Attaches on Right Side. Repeats or may easily be set. Reads Plainly from Saddle. Made for 24, 22 2', 26, 27¾, 28, 3 to 46 inch Wheels.

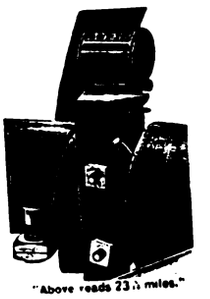
Has an entirely new register action, a train of positive gears, simple and very strong, taking place of pawl system used in '95.

Guarantee Every U. S. Cyclometer guaranteed accurate. Should it get out of order accidentally or otherwise, will be repaired or replaced free of charge.

SEND FOR ELECTROTYPES AND PRICES

Canadian Agents,
Rice, Lewis & Son, Ltd.
TORONTO, ONT.

U. S. Manufacturing Co.,
FOND DU LAC, WIS., U. S. A.



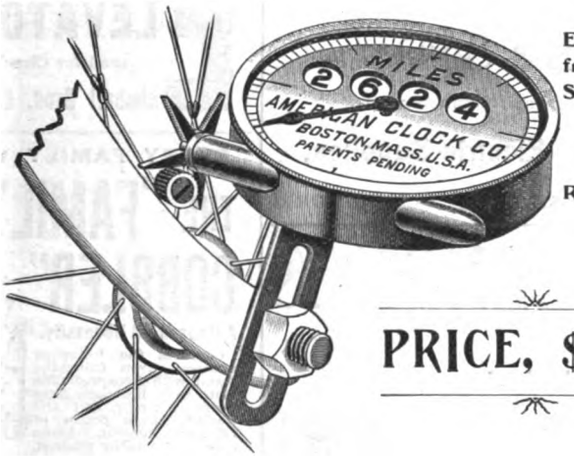
BICYCLE MANUFACTURERS who are putting Cyclometers on their wheels this season will make no mistake if they supply . .

THE AMERICAN.

TEN THOUSAND MILES AND REPEATS.

The Best Seller on the Market.

Insist on receiving our Registered Guarantee with every American.



Easily read from the Saddle.

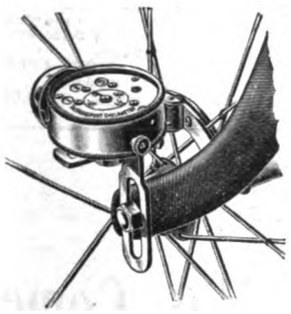
Requires No Care.

PRICE, $2.00.

The American Cyclometer, Model B, is not a dinkey toy, too small to be of any use; it does not get out of order if you run it backwards like others that are being put on the market. A cyclometer, though built like a watch, if too small cannot be depended on. The AMERICAN tells you the small fraction of a mile; others do not. **The American leads; let those who can follow.**

Cuts now ready for 1896 Catalogue.

AMERICAN CLOCK CO. 14 and 15 Tremont Row, Boston, Mass.



DING! THAT'S HOW THE BELL RINGS

On a Model "B"

BRIDGEPORT CYCLOMETER

At the end of every mile.

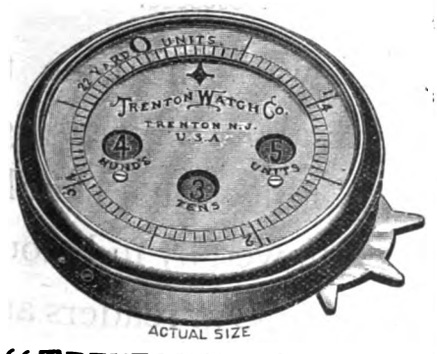
This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

Rings a Bell at Every Mile.

FULLY GUARANTEED.

Sold by all dealers at a low price. Discount to the trade upon application. Send for catalogue.

The Bridgeport Gun Implement Co.,
313-315 Broadway, New York.



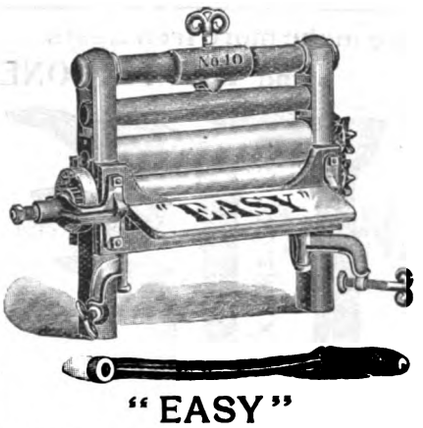
ACTUAL SIZE

"TRENTON" CYCLOMETERS ARE THE BEST.

MADE OF ALUMINUM.

Light, Strong, and Accurate. Electrotypes supplied to the trade upon application.

TRENTON WATCH CO., Trenton, N. J.

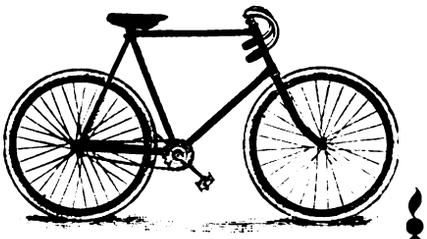


"EASY" Clothes Wringer.

BLAIR MFG. CO.,
SPRINGFIELD, MASS., U. S. A.,
Patentees and Manufacturers.
Write for prices.

TRIBUNE BICYCLES.

The Best In The World.



Send for Catalogue.

THE BLACK MFG. CO.,
Erie, Pa.

Once Tried Always Ridden.

The Quincy

THE only wheel on the market that is guaranteed for **more** than one year. It has Tool Steel Bearings, Adjustable Bars, Swell Forks, Double Bridge Crown. Large Tubing, Horizontal Lines and Handsome Finish.

The Quincy Perfection Tandem Breaks All Records.

Send for Hardware discounts.

The Quincy Cycle Co.
QUINCY, MASS.

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House... ...Goods Supplies.

ESTABLISHED 1867

Hartrick & Carter Co.
Electrical Supplies.
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."

Our 1896 Catalogue

Will be Interesting. Full of Good Things . . . . . .

ELECTRICAL.

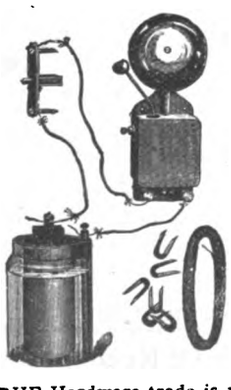
Send us your name.

Stanley & Patterson,

General Electrical Equipment Supplies,

32 and 34 Frankfort St.,

NEW YORK.



Electrical House Goods

For the Hardware trade.

BELL OUTFITS, PUSH BUTTONS, BATTERIES.

THE Hardware trade is rapidly taking up the Electrical business. You should investigate.

WRITE FOR OUR GENERAL CATALOGUE.

WESTERN ELECTRIC CO.,

CHICAGO. NEW YORK.

THIS TIME

IT IS

Telephones.

Receivers,	-	$ .75 each.
Complete Sets,	-	5.00 each.
Cords, - - - -		.13 each.
Transmitters,	-	1.25 each.
Induction Coils,	-	.35 each.

WATCH THIS SPACE.

J. JONES & SON,

Wholesalers and Manufacturers of

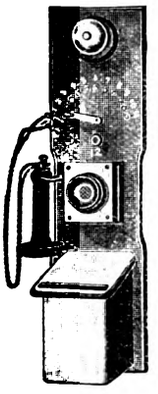
Electric Supplies,

67 Cortlandt St. NEW YORK.

TELEPHONES

For Your . . .

Factories, Stores, Offices and Exchanges.



We make the

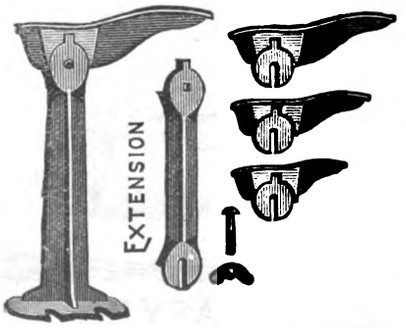
BEST

Send for Our Catalogue.

The Union Electric Co.,

15 High St., Cleveland, O.

We make more Iron Lasts and BETTER ONES



ROOT'S LASTS AND EXTENSION STANDS.
Pat. Oct. 8, 1895.

than any firm in America, and that's why we can furnish them at lowest possible prices. Drop us a card and see if we can't.

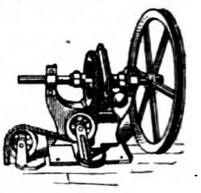
The Root Brothers Co.,

Sta. J, Plymouth, Ohio.

THE COLUMBIA SAFETY.

Self-Retaining

Dumb Waiters



Elevators,

Cellar Lifts and Speidel's Safety Hoists. . . . . .

Manufactured by

Speidel & Roeper,

Send for Catalogue. READING, PA.

Improved Quick and Easy Rising Steam, Electric and Hand Power

ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

EVERY FAMILY WANTS ONE!

THE "FAMILY COBBLER"



Sample Outfit sent on receipt of $2.00.

A Household Necessity.

Contains the following articles: Iron Clinching Stand, with three reversible feet, Shoe Hammer, Shoe Knife, Pegging Awl and Handle, Large Bottle of Leather Cement, Large Bottle of Rubber Cement, Four Pairs of Heel Plates, Package of Pegs, Package of Heel Nails, Package of Clinching Nails for Men's and Boy's Work, Package of Clinching Nails for Women's and Children's work, and

THREE PAIRS OF HALF SOLES.

Securely Packed in wooden box with hinged lid. Weight 17 lbs.

No family can afford to be without one of these Outfits. Will pay for itself many times over each year.

For Sale By All Hardware and General Stores.

The Trade Supplied By Hardware Jobbers Generally,

or by BRANDENBURG & CO.,

Sole Proprietors of the "Family Cobbler," the "Family Harness mender," the "Bonanza" Half Soles, etc.

CHICAGO, ST. LOUIS, KANSAS CITY, OMAHA, SIOUX CITY.

Agents Wanted. Send For Catalogue.

Sample Each, Cobbler and Harness Mender for $3.50.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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COVERT MFG. CO.,

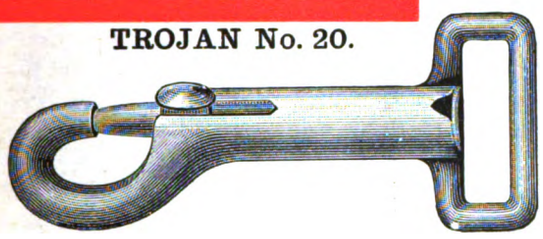


WEST TROY, N. Y.,
U. S. A.

These are Fac-Similes of Labels used on Genuine COVERT SNAPS.



TROJAN No. 20.



15 SNAP.





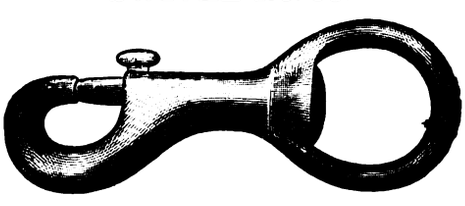
See other side of this page for Description of the Standard Goods of

COVERT Mfg. Co.,

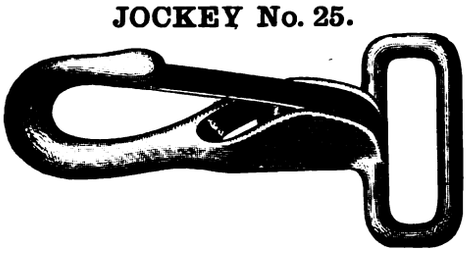
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U. S. A.



SWIVEL No. 50.



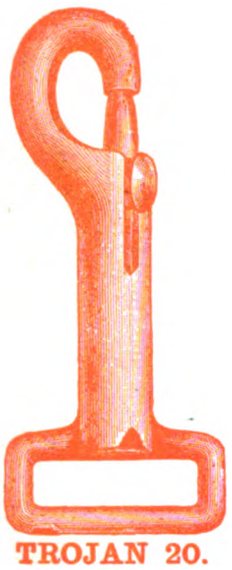
JOCKEY No. 25.



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COVERT MFG. CO.,

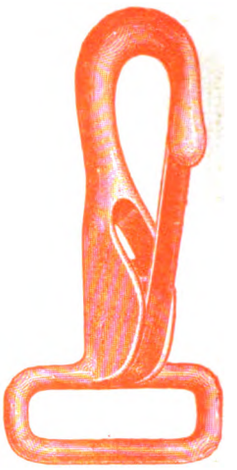
WEST TROY, N. Y.



TROJAN 20.



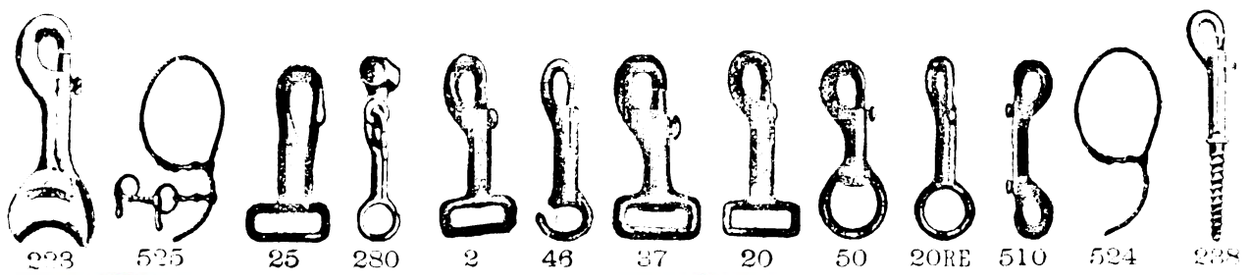
All TAGS and LABELS on COVERT GOODS bear the above TRADE MARK.



JOCKEY 25.

COVERT'S

HORSE and MULE JEWELRY.

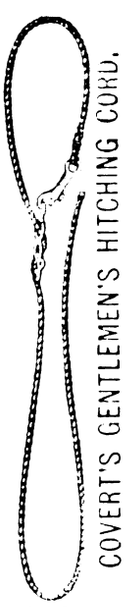


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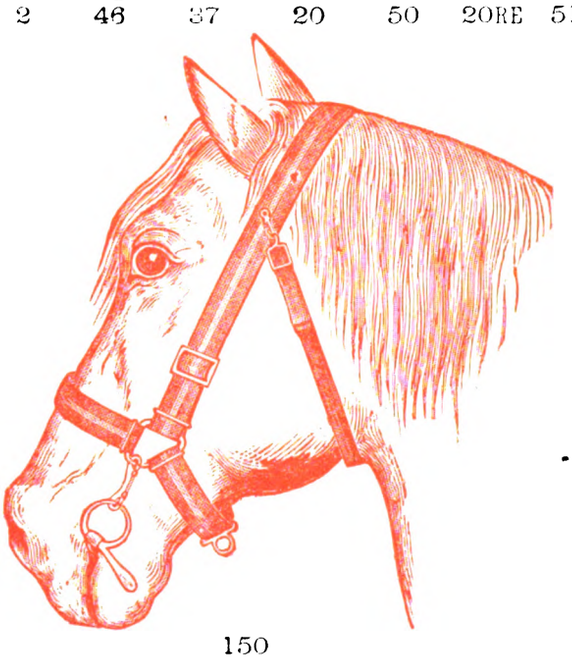
302

180

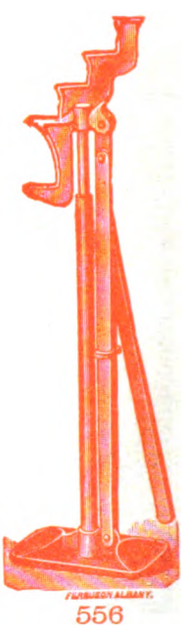


COVERT'S GENTLEMEN'S HITCHING CORD.

186



150



556

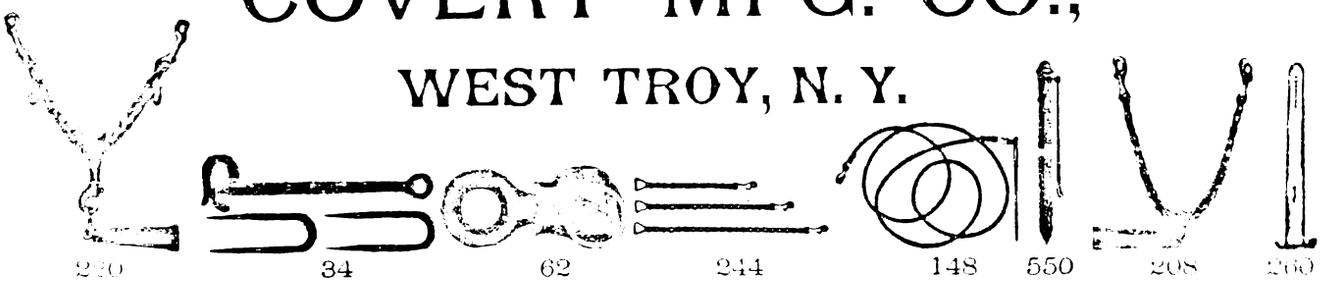


232

Covert's Celebrated Harness Snaps, Chain Goods, Rope and Web Goods are Sold by all Leading Jobbers at Manufacturers Prices.

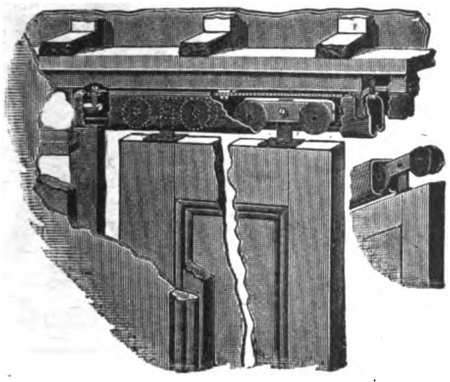
COVERT MFG. CO.,

WEST TROY, N. Y.



230 34 62 244 148 550 208 260

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

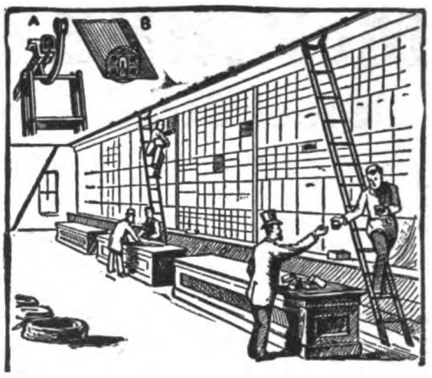
Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.



HALL'S IMPROVED PIPE WRENCH.

DO YOU SAY that this wrench will crush or cut the pipe? IT WILL NOT if you know how to use it. The principal cause of Pipe Wrenches crushing or cutting the Pipe is because the GRIPPING POINTS ARE DULL.

You can sharpen THIS WRENCH IN A FEW MINUTES on a



grindstone or emery wheel WITHOUT TAKING IT APART.

THIS WRENCH if kept sharp will grip high on the pipe, and you can screw a pipe so tight that it will open a malleable fitting, and strip the thread, WITHOUT CRUSHING OR CUTTING THE PIPE.

It is impossible to LOCK OR WEDGE THIS WRENCH on the pipe.

It will COST LESS FOR REPAIRS than any other Pipe Wrench.



IT IS THE BEST SCREW WRENCH, as it is stronger than any other, and by pulling the reverse way it will grip a nut or fitting and WILL NOT SLIP.

It is DROP-FORGED from TOOL STEEL.

Sam'l Hall's Son,

229 West 10th St., New York.

SUCCESS

is the daughter of good advertising. I can help you win her. My business is the preparation of trade-pulling advertisements—the kind progressive hardware dealers need. May I write some for you?

Arthur Boughton Chivers, Advertising Writer,

257 Broadway, New York.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.

Write for Catalogue and prices.

BUCKETS PAILS

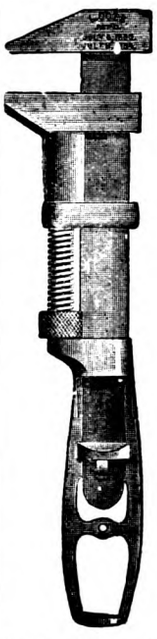
f. o. b Your Station.

Our pails are larger than other makes, yet **cost no more.** Made of **strong fiber, wound,** and **steel bound,** they don't split open, nor chip off at edges. They have a **chime** you can **catch on** to, and a truss bottom that don't warp, loosen or leak.

All "Standard" Pails, Slop Jars, Spittoons, Wash Basins, etc. are **water-proofed** and **indurated throughout** by our newly applied process, and are **absolutely unsoakable.**

An **Ebony enamel,** hard and smooth, gives "Standard" ware an **attractive** appearance and a **durable** finish. **Scores of families** in every county will use it largely if it can be got "at the store." **Do you want their trade?** Lots of 100 lbs. or more, delivered f. o. b. cars, at their depot, to all responsible dealers.

STANDARD FIBER-WARE COMPANY. STANDARD TRADE MARK. MANKATO, MINN.



L. COES'

Genuine Improved

KNIFE HANDLE

PATENT.

Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.

10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

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McKINNEY MFG. CO., Allegheny, Pa.

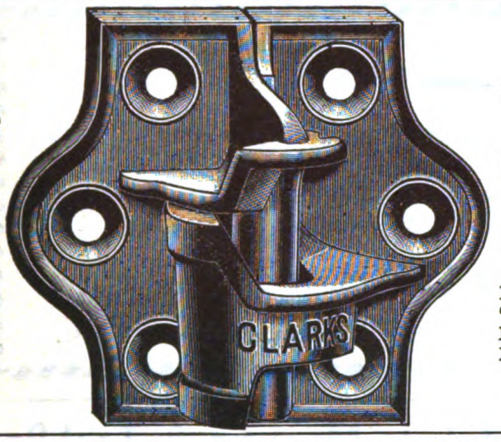
Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.



Full Size in Cut, No. 1 "Regular."

THE CLARK M'F'G CO.,

ORIGINAL AND ONLY

Manufacturers of the Genuine

"Clark's" Blind Hinges

All Imitations are Counterfeits.

Also Manufacturers of

Lull and Porter, O. S.; "Dixie" L. & P., and "Buffalo Reversible" Shutter Hinges; Gate Hinges and Latches, Sash Pulleys, Cast Loose Pin Door Butts, &c.

BUFFALO, N. Y.



The "Toledo"

STEEL HOSE REELS

Will not swell or shrink.
Price is low.
Best and Cheapest Reel on the market.

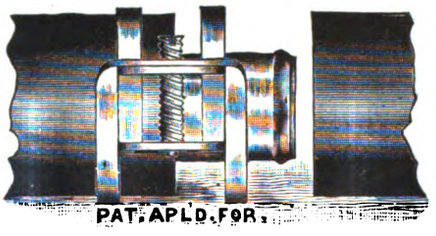
Quotations on application.

The Toledo Metal Wheel Co.,

Toledo, Ohio.

THE DOUBLE CINCH

HOSE BAND AND MENDER.



In Mending one Band does the work of two of any other make.

Bands unequalled for attaching Couplers, Nozzles and other Hose Fixtures.

Simplest and Best in the Market.

Water-tight, Durable, Light, Strong and easily put on—a knife and screw-driver being all the tools needed to mend a hose with this device.

The Mender Tube is seamless brass, easy to insert, gives a full opening, and does not rust.

Can be removed and replaced as many times as desired. The screw is never set by rust; it opens and closes the band, and is never detached or lost.

Ask for Catalogue and discount.

Order of your jobber, or of

CLAYTON & LAMBERT MFG. CO.

YPSILANTI, MICH.

Live Hardwaremen use

Perfect Shelf Boxes

. . . . .

We Manufacture

Perfect Shelf Boxes

. . . . .

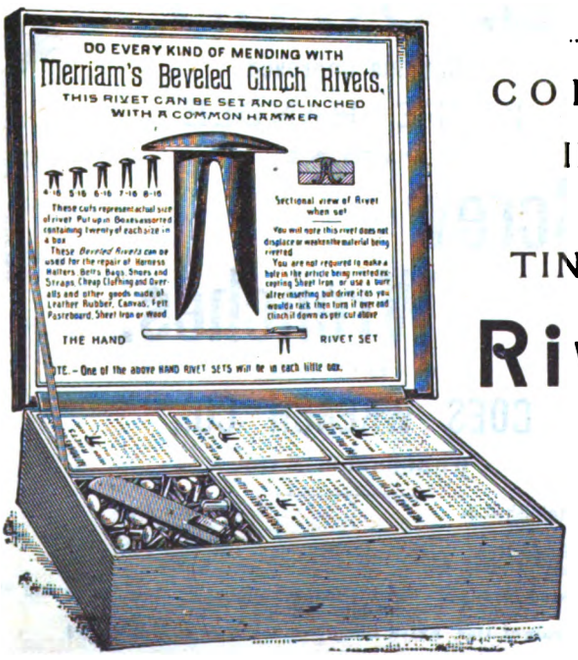
Write for Catalogu and Prices

C. P. MOORE,

Box 5. Ravenswood, W. Va.

Write

your jobber for quotations on these goods. They are a ready seller. If he has not the goods send me his name and we will send him quotations and sample box.



...ALSO .....

COPPER,

IRON

AND

TINNERS'

Rivets

AND

Light Metal Work

TO ORDER

WILLIAM N. MERRIAM 103 BEDFORD STREET BOSTON, MASS.

REVERSIBLE

MYERS' STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



MYERS' FORCE AND LIFT PUMPS

GREATEST IMPROVEMENT OF THE AGE.

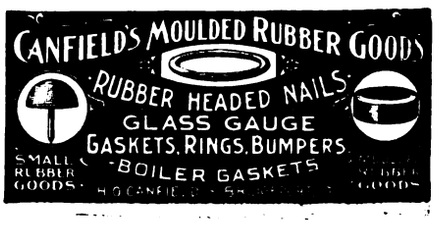
Simple, durable, powerful, easy to operate never affected by frost. **Patent GLANN VALVE**, will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

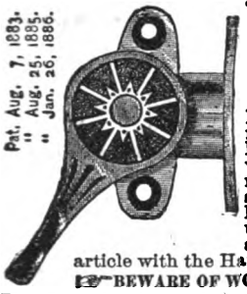
TWO PATENTS FOR SALE.

Two Valuable Patents. One the Gokey Grinding and Calk Sharpening Machine. Money in this. Also three States for the Woodward Combination Carriage and Cradle. This also is No. 1. This is a great chance for smart man. Write for description and then hustle. Not often such a chance as the above.

E. A. WORTHEN,
Burlington, Vt



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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

DRILLS

to Drill Holes.

Nine Sizes.

The **Advance** is the strongest and Best Finished Line of **Drills** to be found.

Ask for New Circular AND TRADE DISCOUNTS.

THE SILVER MFG. CO,
SALEM, OHIO.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.

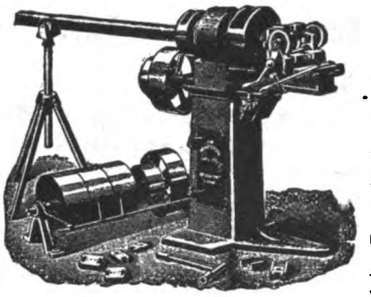
SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

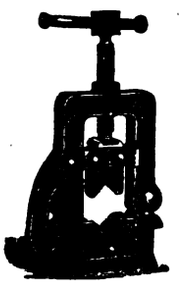
is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardware-men with nothing else to divert their attention.

YOUR STOCK IS NOT COMPLETE
Without a Line of
"ARMSTRONG"



No. 2½ MACHINE.

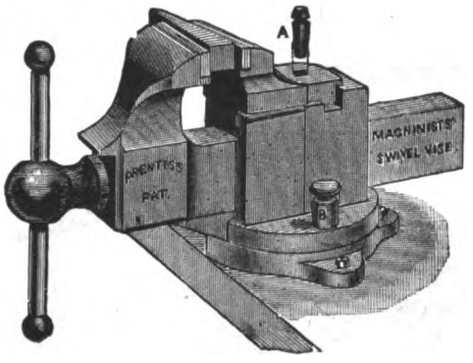
PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.
—NEW YORK OFFICE: 139 CENTRE STREET.—



ATHOL MACHINE CO.,
Athol, Mass., U. S. A.
Manufacturers of
Vises, Meat Choppers,
Mechanics' Fine Tools, &c.
Send for 1896 Catalogue.



PRENTISS' PAT. VISES
The Leaders for 20 Years.
Send for Illustrated Catalogue of ALL KINDS OF VISES.
Prentiss Vise Company,
MANUFACTURERS,
44 Barclay St., New York.

SOLDERING COPPERS
CLENDENIN BROS., BALTIMORE, MD.



POSITIVE SECURITY
against sneak thievery by the use of
Shepardson's Key-Hole and Baggage Guard.
Sample by mail 75 cents. Illustrated circular and price list sent on application.
KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES { 277 Broadway, cor. Chambers St. / 621 Broadway, cor. Houston St. / 753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



FOREHAND ARMS CO.'S
LATEST MODEL
Ejector and Non-Ejector
Hammerless Double Gun.

WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address
FOREHAND ARMS CO.,
WORCESTER, MASS.

SICKELS, SWEET & LYON,
Wholesale Hardware and Farming Tools,
Office, 35 Barclay St., Warehouse, 40 Park Place, New York.

NEW YORK AGENTS FOR . . . . . .

RELAY · BICYCLES.

On Exhibition at
New York Cycle Show,
MADISON SQUARE GARDEN.
January 18-25. SPACES 56 and 57.

TWO FAVORITES.

The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-.65 Remington, and .38-.55 Marlin and Ballard. Made to order only.





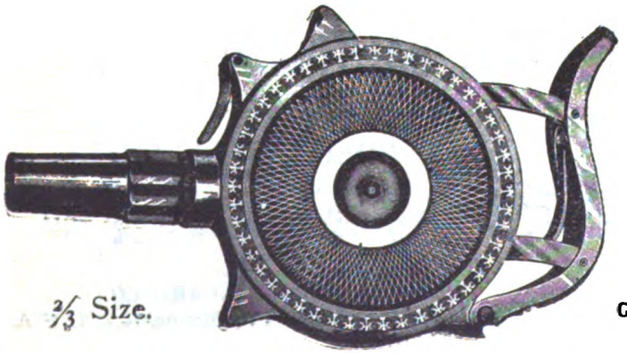
THE REMINGTON HAMMERLESS.
Ten Styles.

Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

REMINGTON ARMS CO.,
Works ILION, N. Y. New York Office Bicycle Dept., 313 and 315 Broadway

"PROTECTOR" REVOLVER.



2/3 Size.

A New Departure in Small Arms.

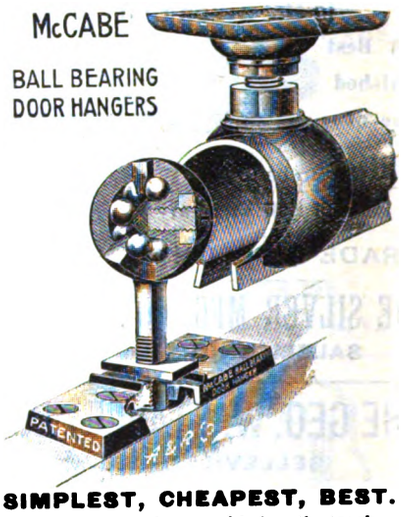
Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,
Chicopee, Mass., U. S. A.
GEO. J. WELLS, Agent
85 Chambers St., New York.

McCABE
BALL BEARING
DOOR HANGERS

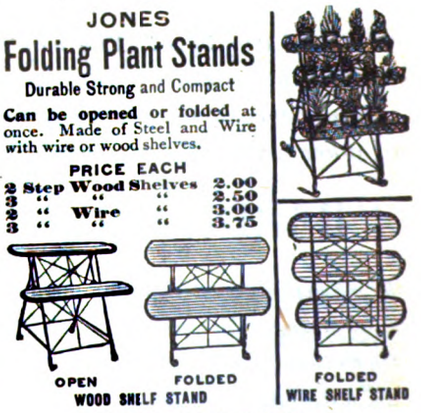


SIMPLEST, CHEAPEST, BEST.
Adjustments above and below the track without removing the door.
After trying this you will use no other.
Send for catalogue or order a set at once and see why it is without an equal.
McCABE MANUFACTURING CO.,
532 to 542 West 22d St., - - NEW YORK.

JONES
Folding Plant Stands
Durable Strong and Compact
Can be opened or folded at once. Made of Steel and Wire with wire or wood shelves.

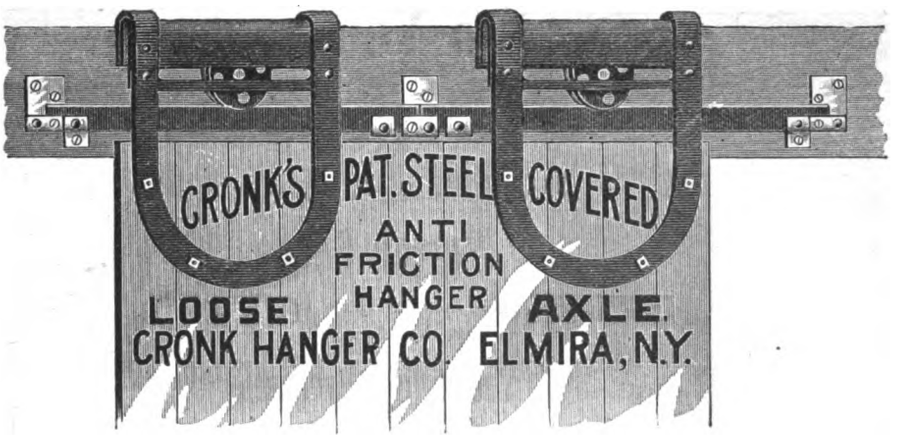
PRICE EACH

2 Step	Wood Shelves	2.00
3 "	" "	2.50
2 "	Wire "	3.00
3 "	" "	3.75

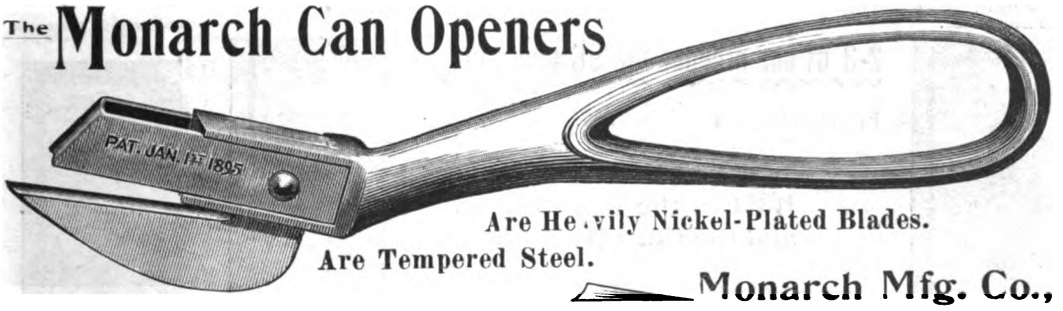


Patented Oct. 1, 1895.
Send for illustrated list, just out.
M. D. JONES & CO.,
368 Washington St., Boston, Ma

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The Monarch Can Openers



Are Heavily Nickel-Plated Blades.
Are Tempered Steel.

Works Right or Left Handed

◉ ◉ ◉

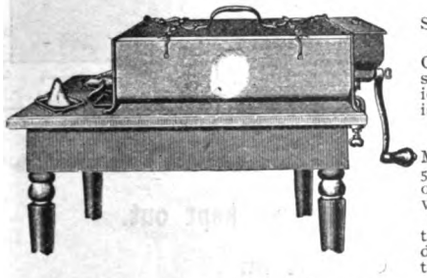
Cuts top off or out of any Size or Shaped Can.

◉ ◉ ◉

Send for Sample and Prices or Quantity Wanted.

Monarch Mfg. Co., Meriden, Conn.

Polar Star Instant Ice Cream Freezer.



◉ **A Marvel to all who behold it in operation.** ◉

Size, 21x7x7. **Retail Price $3.75.** Capacity unlimited.

It makes perfectly smooth ice cream with all milk. Cream added makes it somewhat richer, but not smoother. It makes very superior, smooth water ices, frozen fruits, frozen custards, sherbets, etc., and is a very simple, convenient and economical freezer.

No Gearing, cogs or fixings to get out of order.

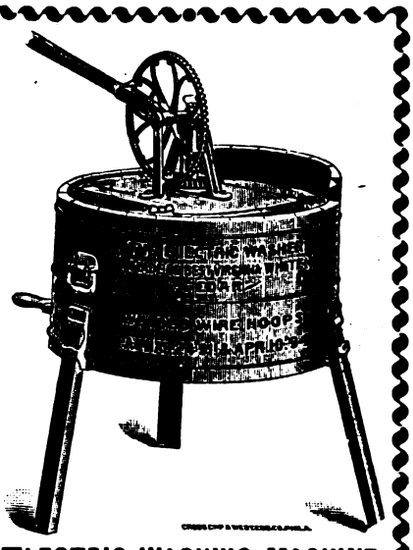
Noiseless in operation. A child can operate it. Makes a plate of ice cream in 30 seconds or a quart in 5 minutes. All other quick freezers merely SCRAPE it off a tin surface of some kind, but do not BEAT IT or WORK IT.

Our Freezer **Mixes, Mashes, Pulls, Grinds** and **Whips** the cream more in **30 seconds** than any paddle freezer does in **30 minutes.** Dealers will do well to investigate this promptly. Correspondence solicited.

Manufactured solely by **Polar Star Freezer Co.,**

◉ **Send for particulars and discount.** ◉ **235 LEVANT ST., PHILADELPHIA, PA.**





ELECTRIC WASHING MACHINE

MADE OF

Best Virginia White Cedar. All Trimmings, Castings, &c., Galvanized.

● **AN EASY SELLER.** ●

Prices and Catalogue gladly sent on application.

Richmond Cedar Works, Man'f'rs of Woodenware,
RICHMOND VA.

Mention HARDWARE.

POINTS COUNT.

? ? ? ? ? ? ? ? ? ?
1 2 3 4 5 6 7 8 9 10

Our Axtell W. Strip has 10 points of superiority **OVER ALL OTHERS.** Only strip **ADVERTISED** in this or any magazine. Has **MERIT,** that's why.

As Pat said when asked if the post he held was plumb, replied, "It is, sor, and more too." Our strip is **tight** and **more too.** $ $ $ $ in it for dealers.

Write for booklet, "Experience."

E. I. CHURCH & CO.,
Box 105. West Hanover, Mass.

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

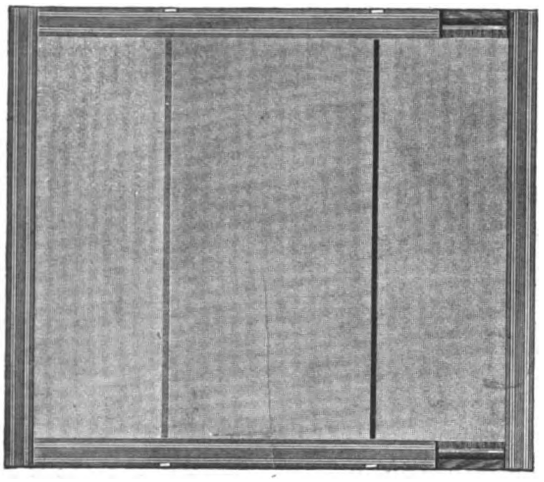
IMPROVED

Tack, Shoe and Wire Nail MACHINERY,

KIMBAL BROS. & CO., Mfrs.,

Send for Prices. BROCKTON, MASS.

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"The Flyer." Introduced last year. More sold than of any other in the same time.

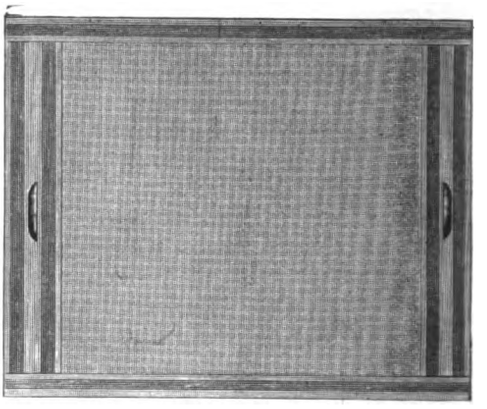
Do You ✳ Realize

That the best patterns of

Screen Goods

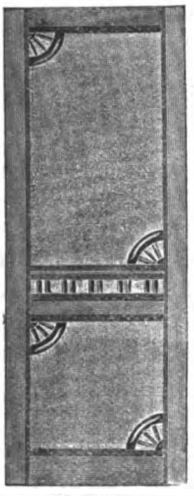
have always been brought out by

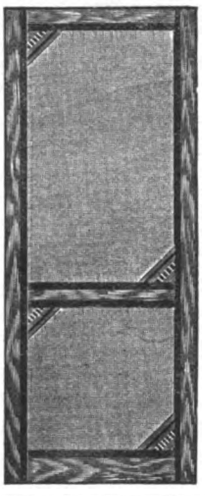
The Phillips Factories,



Bonanza and Perfection Screens.

and that the product of these factories commands the respect of competitors and of all posted buyers. . . . . .





2-3 of our product for '96 now sold.

Investigate our new novelties:

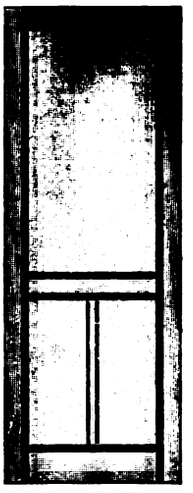
The Nail Boxes, the Hose Holder, the Door Holder and the Card Holder.

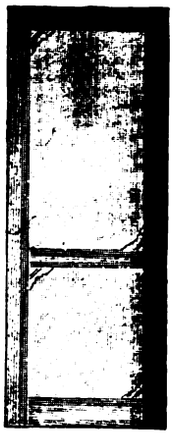
They are all salable articles at popular prices. . . . . .

Send for the New Catalogue of

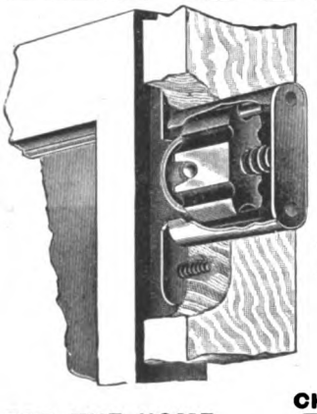
The A. J. Phillips Co.,

FENTON, MICH.





THE COLBURN Window Spring.



PATENTED.

Entirely new, simple, easily adjusted, practical, cannot break, and will last a lifetime. "You push the window, the little wheel and tension spring does the rest."

CHEAP

FOR THE HOME

Have this Spring put in your house. The cost is ½ less than weights and cord. You can easily and quickly adjust it to any window. It don't get out of order.

PERFECT

FOR HOTELS

This creates a revolution in window springs. Hotel windows raised or lowered with perfect ease.

INDISPENSABLE

FOR R. R. CARS

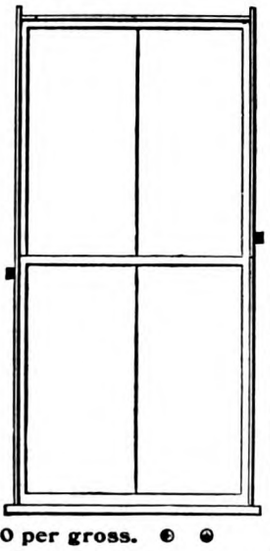
Car windows opened with ease and held at any desired position: no unexpected dropping.

INVALUABLE

FOR INSIDE BLINDS

How easily you can manipulate a Venetian Blind when the Colburn Spring holds it.

SATISFACTORY.



Prices, $42.00 and $54.00 per gross.

A Liberal Discount to the Trade.

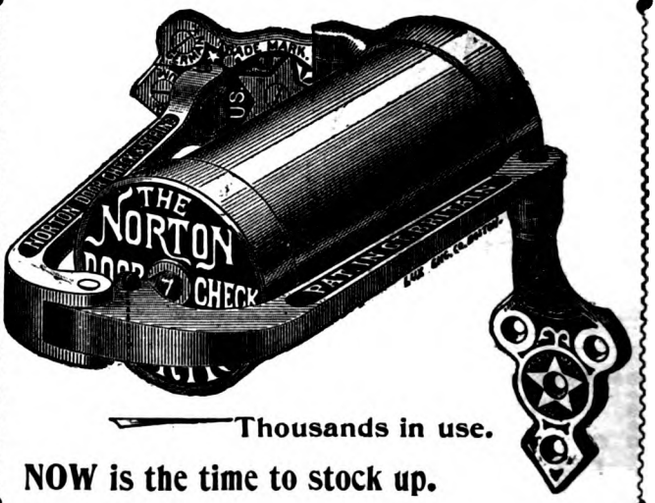
General Agent for United States. **E. A. WORTHEN, Burlington, Vt.**

DRAUGHTS kept out.

HEAT kept in.

GLASS won't break.

DOORS won't slam.



Thousands in use.

NOW is the time to stock up.

ADDRESS

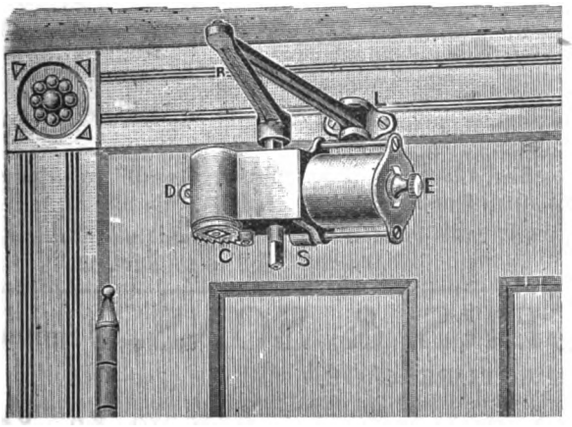
The Norton Door-Check and Spring Co.,

CHAS. S. PENHALLOW, Treas.,

505 Sears Building, BOSTON, MASS.

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HERE IT IS ON THE DOOR.



PATENTED SEPT. 11, 1894.

The New Royal Door Check & Spring

Excels All Others.

PRICE LIST:

	Each.
No. 1. Light Screen Doors,	$2.40.
No 2. Small Inside Doors,	3.30.
No. 3. Large Inside Doors,	4.30.
No. 4. Ordinary Store Doors,	5.60.
No 5. Large Store Doors,	7.00.

For Discount see prices current this paper

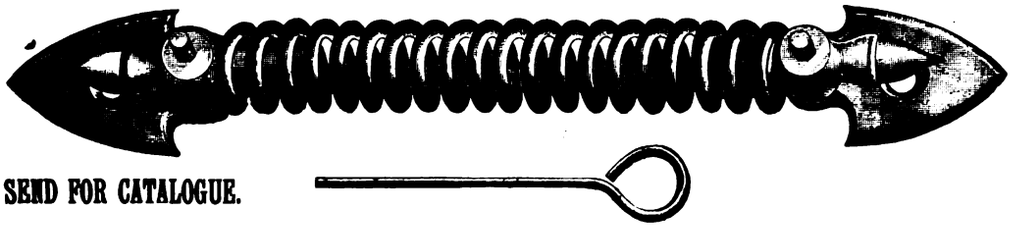
The **ROYAL** has a Compressed Air Check.

For Sale by All Leading Jobbers.

W. H. QUINN & CO.,
103 Chambers St., New York

Keep the Frosty Winds Out!
Use the Celebrated . . . . .

FOSTER PATENT DOOR SPRINGS.



Strongest and Most Durable on the Market.

SEND FOR CATALOGUE.

Made in 4 Sizes.

Manufactured by **W. W. PRYOR HARDWARE MFG. CO., Newark, N. J.**

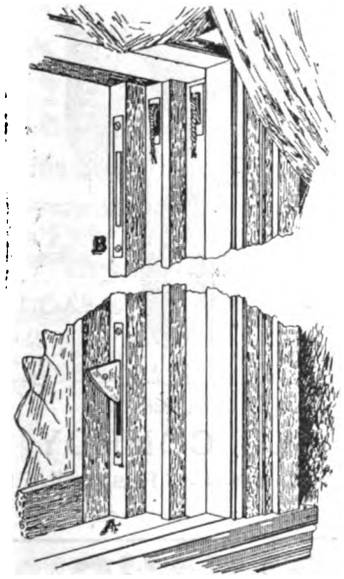
N. Y. Office and Salesroom, 81 CHAMBERS STREET.

JOHNSTON'S

Window and Door Frame Attachment

For Securing Storm Sashes, Storm Shutters and the like.

A Shows the fastener securing a Storm Sash, as seen from inside of room.



B Shows the fastener where not in use. The device is complete, in one part, cannot get broken or lost, is always ready when wanted, as it is permanently set in the edge of window casing. They are made with sockets of iron, with brass tongue, and in solid brass. Sample to any address for 25 cents. AGENTS WANTED.

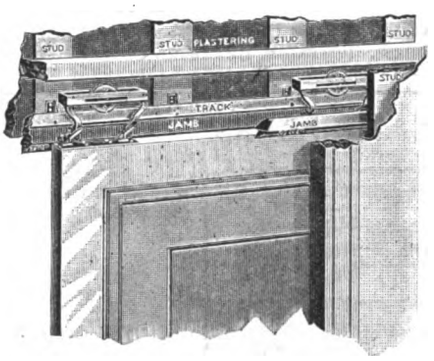
J. D. JOHNSTON, Mfgr., Newport, R. I.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

Stearn's Steel Parlor Door Hanger



IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

"The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw."

E. C. Stearns & Co.,

Send for Circular and Price-List.

Syracuse, N. Y.

The Bradley Shaft-Coupling

The only real quick shifting, anti-rattling coupling ever put together. Complete in itself and always ready.

No Bolts, No Nuts, No Screws, No Rubbers, No Wrench, No Rattle. Over 20,000 pairs in use. 12,000 pairs sold in 1895.

Send for Circular and Price List.

C. C. BRADLEY, Jr.,
SYRACUSE, N. Y.



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NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom.
96-98 Reade Street.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

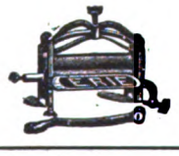
JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

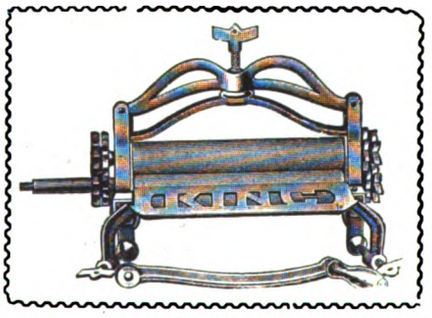
Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO

WOOD AND IRON FRAME WRINGERS.

HIGH GRADE, WARRANTED.





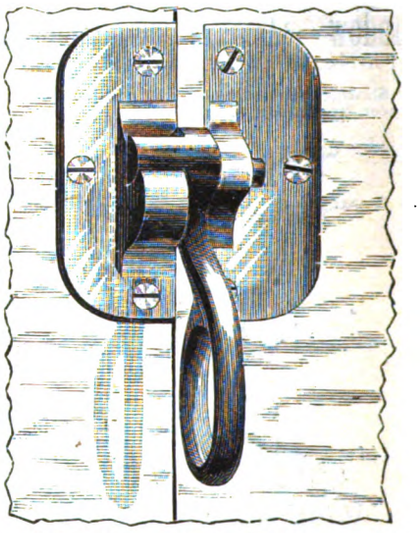


Before placing FALL ORDERS write us for our PRICES and TERMS.

NATIONAL WRINGER & MFG. CO., Canton, Ohio.

The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

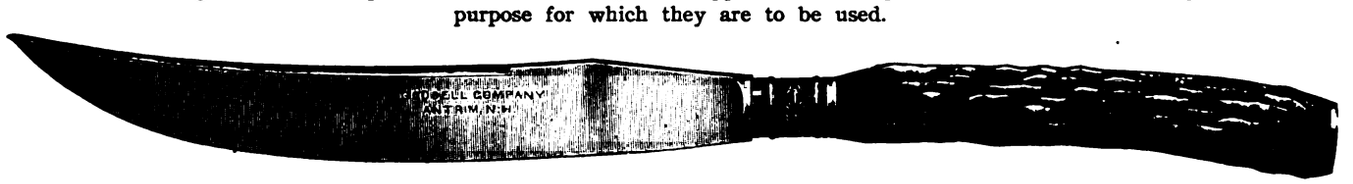
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ONE REASON WHY

Our business has grown out of all proportion to any other manufacturer of

CUTLERY IN THE U. S.

Is that while our goods are unsurpassed in finish and general appearance our special aim has been to adapt them to the purpose for which they are to be used.



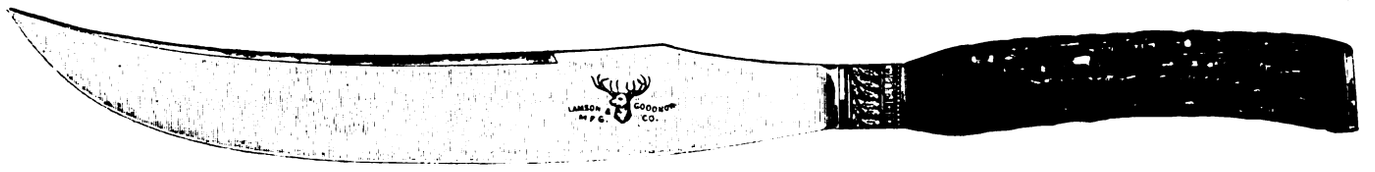
In the matter of Carvers, your customer wants a Knife to cut with as well as to look at. All our Carver blades are made from carefully tested Butcher Knife Steel. They take and hold a fine cutting edge.

We also make Table Knives, Butcher Knives, Shoe Knives in great variety. All fully Warranted.

AGENTS: { ALFORD & BERKELE CO., 77 Chambers Street, New York.
HENRY KEIDEL & CO., 25 Hanover Street, Baltimore, Md.

GOODELL COMPANY, - - Antrim, N. H.

LAMSON & GOODNOW MFG. CO.,



Manufacturers of Fine Cutlery, Butcher, Druggists' and Painters' Knives, Celebrated Anchor Brand Carvers, etc.

FACTORY AND OFFICE, Shelburne Falls, Mass. NEW YORK, 310 Broadway. SAN FRANCISCO, 132 Market Street.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-

"DUPLEX" WROUGHT BUTTS.

Double Thicknesses of Cold Rolled Steel and Wrought Bronze
STEEL PINS, BALL TIPS, STEEL BUSHED.

They are better than the ordinary kinds.

Manufactured only by

READING HARDWARE CO., READING, PA.

NEW YORK, 96 & 98 Reade St. PHILADELPHIA, 617 Market St. CHICAGO, 73 Wabash Ave.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

DAVID EASTMAN, President. WALTER RANDALL, Secretary. JAMES R. BRINSMADE, Treasurer.

THE DERBY RAZOR CO., Manufacturers of

Made of a SUPERIOR STEEL and Temper Fully Warranted.

Fine Razors and Strops,
—AND—
Specialties.



DERBY, CONN., and 64 READE ST., NEW YORK.

MADE IN AMERICA BY AMERICANS FOR AMERICANS.

GENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD,"
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS





BUCK'S HEAD.

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Our Latest is the Ormonde



And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.

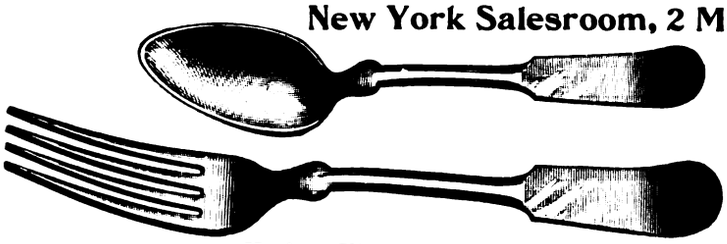


Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

HOLMES & EDWARDS

Invite you to visit their

New York Salesroom, 2 Maiden Lane



A convenience to Merchants in the vicinity of New York. . . . .

Anything in Silver or Solid Metal Spoon line may be had.

. Mexican Silver. Aztec Coin Metal. Gold Aluminum. . . . .

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

SEASONABLE GOODS FOR WHICH WE ARE AGENTS:

P. Lowentraut's Ice Skates,
Oliver Ames & Sons' Steel Snow Shovels,
Saugatuck Mfg. Co.'s Wooden Snow Shovels,
G. W. Bradley's Heavy Sidewalk Chisels.

THE F. & N. LAWN MOWER CO.,



Manufacturers of

Lawn Mowers AND Grass Catchers

RICHMOND, IND., U. S. A.

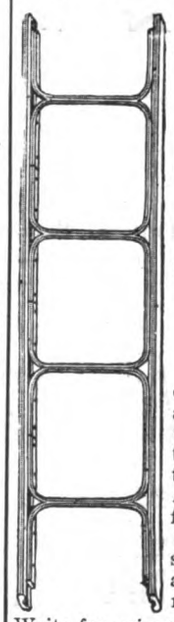
"The F. & N. High Grass."
"The F. & N. Standard."
"The New Delight." Popular Favorite.
"The Razor Blade." Ideal Light Mower.

Best Material, Latest Improvements, Highest Class Workmanship.

Sales Manager, **George B. Main,**

No. 79 Reade Street, New York, N. Y.

If you want to live



A long life free from accidents . . . .

You will buy the

Patent Bent Rung Ladder

They are the

Strongest and Lightest Ladder on Earth.

A six-foot single step ladder will carry 700 pounds, and a double step ladder 1,000 pounds. A boy can take down and put up a sixteen-foot extension ladder. A man can hold an eighteen-foot ladder out at arm's length in one hand. Our step ladders will not come apart or break. They are made to last forever.

Write for prices and discounts.

Indiana Ladder Company,
INDIANA, PA.



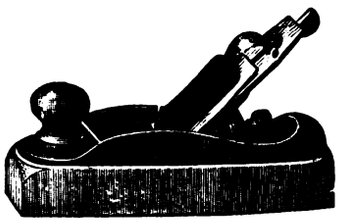
are undoubtedly the best. They retain their handsome finish and the heads never come off. They will match any interior finish, as they are made in all woods used for that purpose. The

BARDSLEY CHECKING HINGE

closes the door with a soft, gentle action. Catalogue on application.

J. BARDSLEY,
149 Baxter St., NEW YORK.

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THE
BEST BAILEY PLANES
ARE MANUFACTURED BY
The Samuel I. Goodall Company,
PHILADELPHIA, PA., U. S. A.



Camp's SUCCESS ANIMAL POKE



The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER



and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

An Excellent New Year's Resolution

THAT I will buy no more "Cheap" Cutlery, but carry a good line of

TRADE
NORTHFIELD UNX LD POCKET KNIVES.
MARK.

Always reliable, pleasing the customer, and therefore most profitable to the dealer. . . . .



N. B.—Write us at any time and we will help you all we can in keeping the above resolution. . . . . .

Northfield Knife Co.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

ESTAB. ISH..D, 183.. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

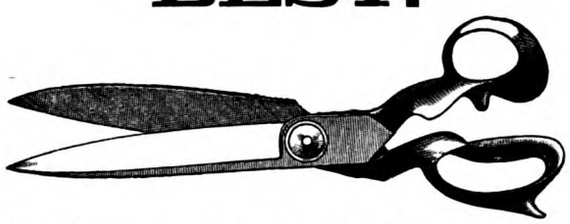
CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs. Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

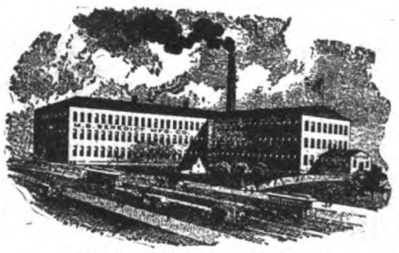
J. WISS & SONS, NEWARK, N. J.

M. S. BENEDICT MFG. Co.

SYRACUSE, N. Y. Fayette and Franklin Sts.

CHICAGO, ILL. 78 State Street.

409 BROADWAY, NEW YORK.



WORKS, EAST SYRACUSE, N. Y.

Makers of a Full and Complete Line of

Quadruple Silver Plated Hollow Ware.

Silver Plated Spoons, Knives, Forks and Child's Sets.

ALSO

Steel and White Metal Spoons

For the Hardware Trade.

Complete stocks carried and goods shipped from any of the above addresses.

Write for our 96-page Illustrated Catalogue, with discount.

The Staff of Business.

☞ BREAD IS THE STAFF OF HU-
☞ MAN LIFE AND ADVERTISING
☞ IS THE STAFF OF BUSINESS.

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At Last We've Got "'Em," SHARPENERS THAT SHARPEN!

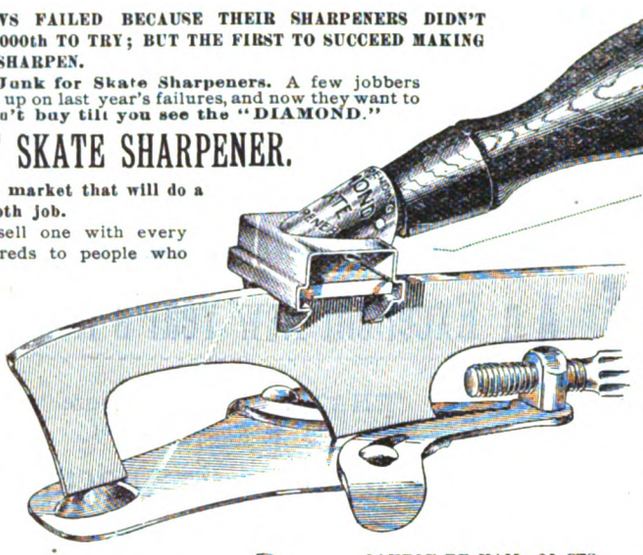
THE OTHER 999 FELLOWS FAILED BECAUSE THEIR SHARPENERS DIDN'T SHARPEN. WE ARE THE 1000th TO TRY; BUT THE FIRST TO SUCCEED MAKING SHARPENERS THAT WILL SHARPEN.

Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "DIAMOND."**

THE "DIAMOND" SKATE SHARPENER.

The only Sharpener on the market that will do a clean, smooth job.

HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.



SAMPLE BY MAIL, 25 CTS.

All our Sharpeners are elegantly nickel-plated and packed one dozen in a box.

SOMETHING ENTIRELY NEW!

Every Boy Sharpens his own Skates.

See that Pivot!

Fits the Curve of any Skate.

For Sale by the Following Wholesale Hardware Houses:

Dame, Stoddard & Kendall, Boston.
Russell & Erwin Mfg. Co., Sickels, Sweet & Lyon, } N. Y. City.
Logan, Gregg & Co., Pittsburg.
The W. Bingham Co. The Geo. Worthington Co., } Cleveland.
Freeman, Delamater & Co., Buhl, Sons & Co., } Detroit.
Hibbard, Spencer, Bartlett & Co. Wells & Nellegar Co., } Chicago.
Simmons Hdw. Co., St. Louis.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.
Rector & Wilhelmy Co., Omaha.
Farwell, Ozmun, Kirk & Co., St. Paul.
John Pritzlaff Hdw. Co., Milwaukee.

The "Diamond" Knife Sharpener

Puts a **keen, lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.



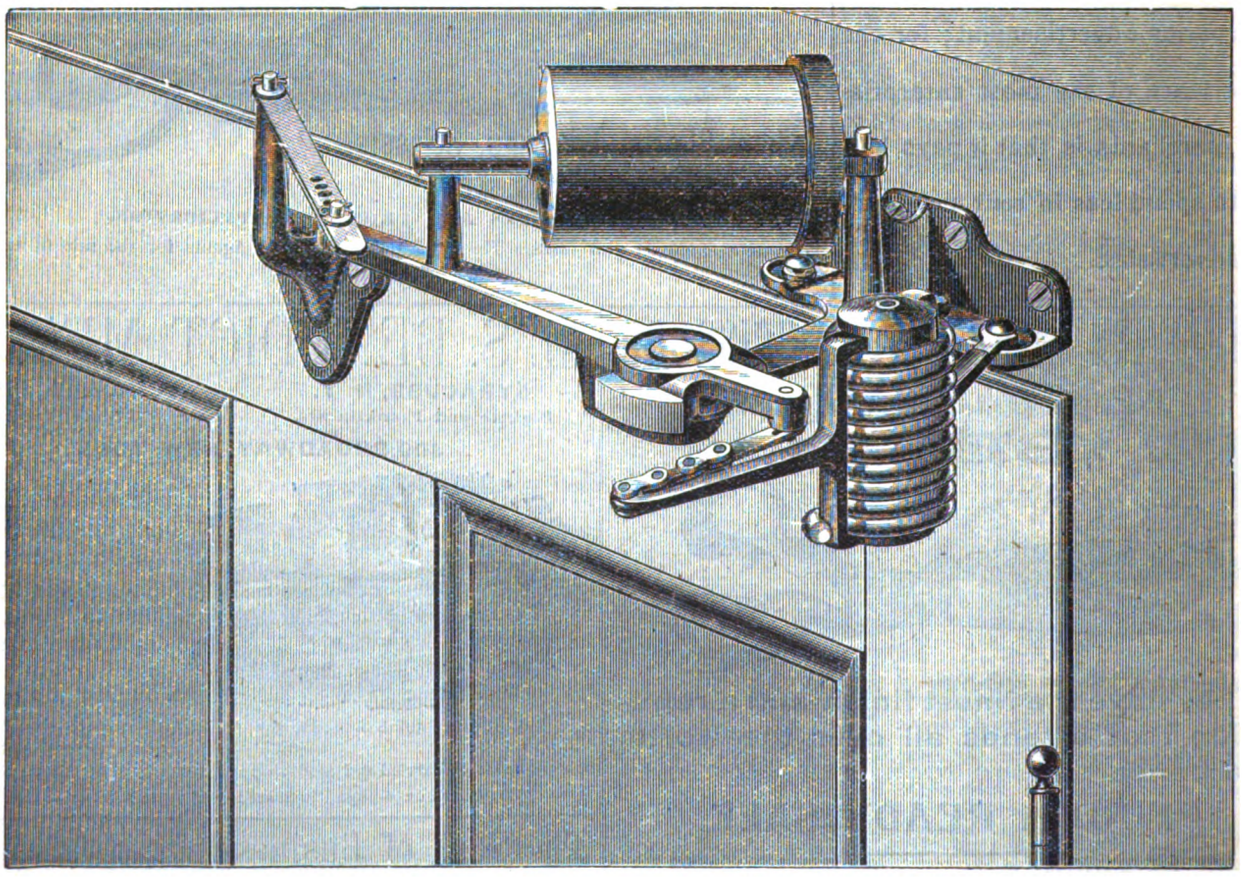
SAMPLE BY MAIL, 25 CENTS.

Write for Descriptive Circular with Prices and How to Advertise Your Business Free.

DIAMOND CUTLERY CO., 58-60-62 Broadway, N. Y. AND 1465 & 1467 State St., Chicago.

TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

"HOME" DOOR CHECK AND SPRING COMBINED.



Nos. 100 to 104 and 120 to 124. Patented.

RUSSELL & ERWIN MANUFACTURING CO.,

SOLE MAKERS.

NEW BRITAIN, CONN. - NEW YORK. - PHILADELPHIA. - BALTIMORE. - LONDON.

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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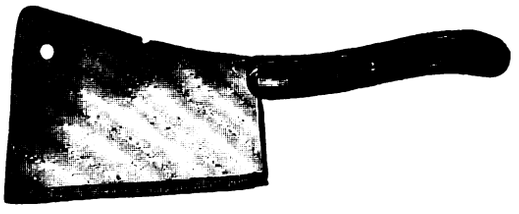
MANUFACTURERS OF

SCALES

—AND—

BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

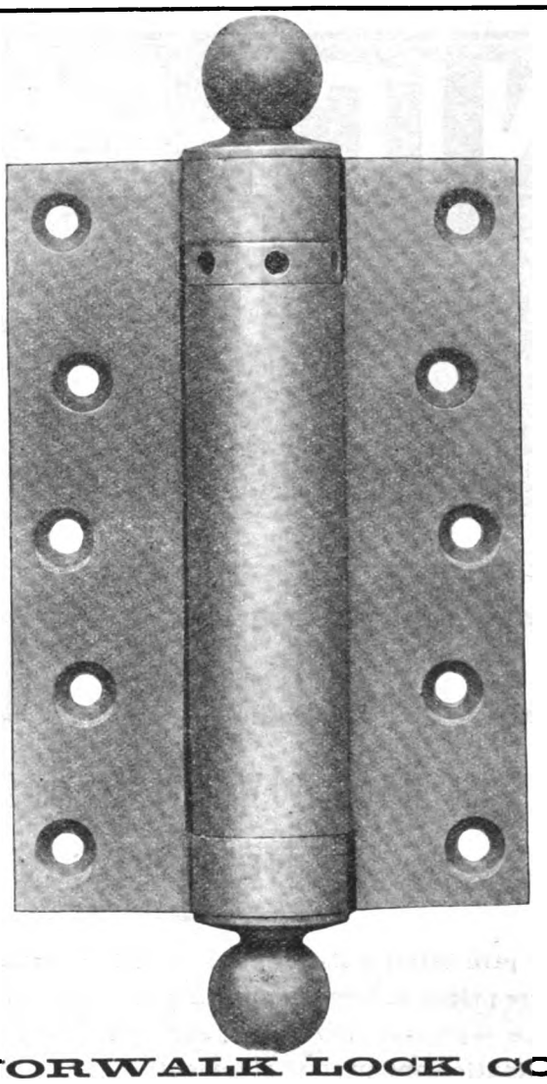
BUTCHERS' CUTLERY





JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.



NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

Underhill, Clinch & Co., New York, 94 Chambers St.
New York, 83 Chambers St. Boston, 300 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

Gardner Sash Balance Co.



MANUFACTURERS OF

Aluminum Bronze Sash Ribbon
Sash Ribbon Attachments
Ribbon Sash Pulleys
Chain Sash Pulleys
Rope Sash Pulleys
Ventilating Sash Bolts
Steel Door Fasts
Gardner Steel Sash Locks
Gardner Transom Lifts

For Descriptive Catalogue address

Gardner Sash Balance Co.
312 First National Bank Building
CHICAGO ILL

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NICKEL PLATING OUTFITS.

ZUCKER & LEVETT & LOEB CO.
OFFICES, 526, 528, & 530 W. 25TH ST.
NEW YORK, U.S.A.

SEND FOR CATALOGUE OF
NICKEL & ELECTRO-PLATING
SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Mancer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Store Boards

Howard Iron Works,

BUFFALO, N. Y.

Manufacturers of

Bench Vises.

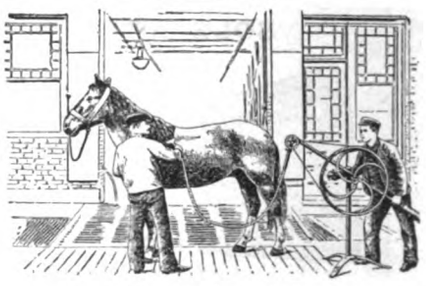
Price Lists sent on application.

HEADQUARTERS FOR

"PRIZE WINNER" HORSE CLIPPERS.

Hand, Bicycle, Electric and Steam Power.

MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.

The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST and most DURABLE MACHINE made.

The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE

FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade. Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

Cille te Clipping Machine Co.,

201 East 23d St., New York.

WESTERN AGENTS:

J. H. FENTON & CO.,

153 Michigan Ave., Chicago, Ill.

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ENTERPRISE

BONE, SHELL AND CORN MILL.

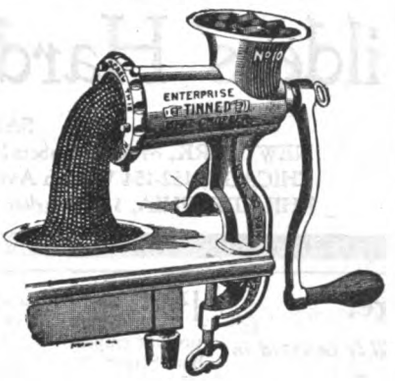
NO. 760.



PRICE $7.50.

Meat Chopper,

TINNED.



NO. 10, ...
. LARGE FAMILY SIZE,
. . . PRICE, $3.00.

. SAUSAGE . STUFFER AND LARD PRESS.



'.' NO. 25---4 QUARTS. '.'

PRICE, $5.00.

. . . . **ALL THE LEADING JOBBING HOUSES SELL THEM.** . . . .

Catalogue mailed FREE upon Application.

THE ENTERPRISE M'F'G CO. of PA., Philadelphia, U. S. A.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

The Sterling Emery Wheel Mfg. Co., Tiffin, O.

EASTERN AGENT:

L. BEST,

45 Vesey Street,

New York.

CUTTER, WOOD & STEVENS,

131 Pearl Street,

Boston



MANUFACTURERS OF

Emery

AND

Corundum Wheels.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1901.

- LORING & PARKS, PLYMOUTH, MASS ESTABLISHED IN 1342.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

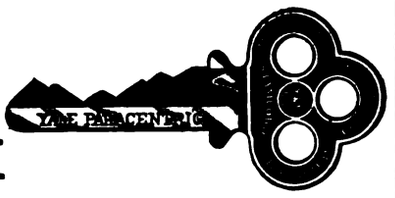
MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
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The Yale & Towne Manufacturing Company



The Yale Locks
Art Metal Work
Builders' Hardware



GENERAL OFFICES:
280 Broadway, New York.
WORKS:
Stamford, Conn., Branford, Conn.

SALESROOMS:
NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.
BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Bldg.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A thoroughly competent Hardware salesman to sell our patent line of table cutlery to the jobbing trade throughout the United States. Apply in person or by letter with references to the RUSH CUTLERY CO., Springfield, Mass.

HARDWARE SALESMAN.—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address BALTIMORE JOBBER, care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care HARDWARE, No. 143 Chambers Street, New York.

BY a prominent Hardware house, a first-class clerk who understands the builders' department, competent to take a leading position; good address and able to give the very highest references. Address "Builders' Department," care of W. B Fox & Bro., No. 97 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION wanted as salesman for manufacturer or jobbers of cutlery or Hardware specialties; fifteen years' experience. Well acquainted in Ohio and Indiana. A1 reference. Address W. B. R., No. 99 Euclid Avenue, Cleveland, Ohio.

WANTED—Position as store or road salesman; five years' experience in general store, Hardware and implement trade; first-class salesman; can give good references. A. P. AYER, South Columbia, N. Y.

WANTED—Inside or outside position by young man; has had ten years' experience in wholesale builders' and general Hardware. Address CORBIN, care HARDWARE, No. 143 Chambers Street, New York City.

TRAVELER, sixteen years with one house and well acquainted with trade in New York, Pennsylvania, Ohio, Michigan and Canada, desires to hear of opening. T. M. W, care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a practical metal pattern maker in all its branches, wishes to make a change on or after the first of the year, a competent designer and chaser on ornamental work, with executive ability to take charge of shop. Address MECHANIC, care T. J. Murphy, No. 1168 Indiana Avenue, Chicago, Ill.

A YOUNG man with seven years' experience on the road in the Hardware line will be open for engagement January 1, 1896. Can furnish first-class reference. Would prefer to represent some manufacturing agent or jobbing house in New York State Address SALESMAN, care HARDWARE, No. 143 Chambers Street, New York.

POSITION with a wholesale Hardware house wanted, by a thoroughly competent and experienced traveling salesman. Best reference from present employers. Address R. V., care HARDWARE, No 143 Chambers Street, New York.

A SITUATION in a Hardware house wanted by a youth of 18; five years' experience. Good reference. Address J. R. B., care HARDWARE, No. 143 Chambers Street, New York.

MIDDLE-AGED man, intelligent, sober and honest, desires situation at Hardware business; willing to be generally useful; thorough knowledge of New York City. Address M. L. BROPHY, No. 42 Perry Street, New York.

YOUNG man (33), thorough knowledge in builders' and general Hardware, cutlery and kindred lines, desires position with jobbing, wholesale or export house; well posted in prices and goods; first-class accountant; A1 references. C. L., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position in wholesale or extensive retail house, by young married man, with about ten years' experience in retail store. Will be ready March 1st. Iowa preferred. Am good mechanic, and expect to work. Address W. L. J., care HARDWARE, No. 143 Chambers Street, New York.

A LADY, two years of careful experience in a large retail Hardware store, general lines, wishes situation. City preferred. Will work two weeks on trial. Can assist in office work if desired. Address MISS REOME, Warren, Ind.

POSITION wanted with large house by practical builders' Hardwareman (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa., Harriett & Kelly, East End.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

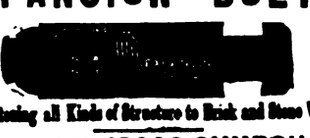
BY young man, 23 years of age, sixteen years' experience in Hardware, butchers' and grocers' supplies Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr. ISAAC CHURCH, Toledo, O.
Send for Catalogue.

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Situations Wanted.

WANTED by a young man with nine years' experience in cutlery business a position of salesman on the road. Address A. A. S., care HARDWARE. No. 143 Chambers Street, New York.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty-ninth Street, New York.

HARDWARE salesman, sixteen years' experience, wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

EXPORT: A responsible, experienced man, speaking Spanish, French and German, having extensive acquaintance among exporters here and practical knowledge of the requirements of foreign markets, desires position as manager of export department of large manufacturing concern. Address "Export," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman, twelve years with present house, wants line table cutlery, house-furnishing goods, tinware, or A1 specialties, in connection with old line, for Michigan, Indiana and Ohio. Address M. I. & O., care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter house. Best of reference if required. Address W. S. BUCHANAN. Oakland P. O., Louisa County, Va.

GOOD selling specialties wanted to handle in western New England. F. E. WHEELER, No. 476 Main Street, Springfield, Mass.

WANTED by traveling salesman for a large Hardware house, a side line of pocket cutlery, scissors, etc., visiting New York towns and cities. Address L. K. Wadsworth, South Butler, Wayne County, N. Y.

Side Line Offered.

WANTED—A bicycle or Hardware traveling salesman to handle A1 side line cycle sundries on commission. State references and territory. Box 235, Rochester, N. Y.

FIFTY salesmen wanted quick, to handle whips as a side line to best Hardware trade. Address U. S. WHIP Co., Westfield, Mass.

WANTED—Salesmen to sell on commission for the manufacturer, as a side line or otherwise, first-class lines of pocket cutlery, etc., in New York State and Pennsylvania. Also in Iowa and adjacent States. Address P. C., care HARDWARE, No. 143 Chambers Street, New York.

SIDE LINE—Hardware, stoves and tin. Good commission. Do you want it? "4769," Mercer, Pa.

SALESMEN wanted on commission to handle as side line or otherwise a line of leather cup valves, cylinder and plunger valves for pumps, etc. Address GEORGE OBERNE & Co., No. 383-401 North Halsted Street, Chicago, Ill.

SALESMEN wanted to sell an article weighing two ounces to the Hardware, grocery, coal and other trades. Used in every house. Commission on each sale $2.50 and up. R. K. TELLER, Unadilla, N. Y.

WANTED—Profitable side line. Salesmen calling on Hardware trade can make big money for next two months. A strictly holiday specialty. Address QUADRUPED NOVELTY Co., Canton, Ohio.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co, Canton, Ohio.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

Hardware Store Wanted.

TO purchase a retail Hardware store with a moderate sized stock, having a good location in a live, growing town. Must have a good trade, and doing a good business. Address JOHN R. SWARTZ, Hughesville, Pa.

For Sale.

FOR SALE—The stock, fixtures and good-will of a Hardware store and bicycle business in a Western city of 60,000 inhabitants. Capital required, $20,000 to $25,000. All or part of the business will be sold. Address W. B., care HARDWARE, No. 143 Chambers Street, New York.

To Let.

A FIRST-CLASS modern style Mercantile Building, just finished, on Superior Street, Cleveland, Ohio; centrally located; suitable for Dry Goods, Furniture, Crockery, Hardware or other merchandise, specially adapted for a large Department Store. Also so arranged as to be subdivided and leased to two or three tenants. Building is 67x150 feet to another street; 8 stories above a high and well finished basement; floor space about 78,000 square feet; passenger and freight elevators; steam heating; electric lighting. For further information apply to J. G. W. COWLES, No. 140 The Arcade, Cleveland, Ohio.

A DESIRABLE office to rent with the Wilmot & Hobbs Mfg. Co., No. 2 Murray Street, New York. Steam, heat, electric light and telephone.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

To Manufacturers.

A HOUSE of nearly sixty years' standing, having travelers well covering the States, would be pleased to open correspondence with manufacturers of specialties suitable for the Hardware trade, with a view of coming to some mutual arrangement for marketing the same. Address F. S. S., P. O. Box 2522, New York City.

Quotations Wanted.

THE Mechanical Rubber Co. (successor to the Cleveland Rubber Co.) Cleveland, Ohio. wish quotations on Hose Fittings, Clamps, Bands Reels, Specialties, etc., for the 1896 trade.

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THE
CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCK ON EARTH.

UP TO DATE.

Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

General Agents:
Topping Bros., New York.
Boston & Lockport Block Co., Boston.
Woodward, Wight & Co., Ltd., New Orleans.
Miller, Sloss & Scott, Inc., San Francisco.

Would IT INTEREST You?

Well, we think so, for our 1896 Catalogue describes our full line of . . . . . Planet Jr.

Seed Drills, Wheel Hoes, Harrows and Cultivators,

including several entirely NEW machines.



DEALERS will sell
PLANET JR.
goods in 1896 because it . . . . . PAYS.
Will You be One of Them?

S L. Allen & Co.
MANUFACTURERS,
Philadelphia, - - - Pa.

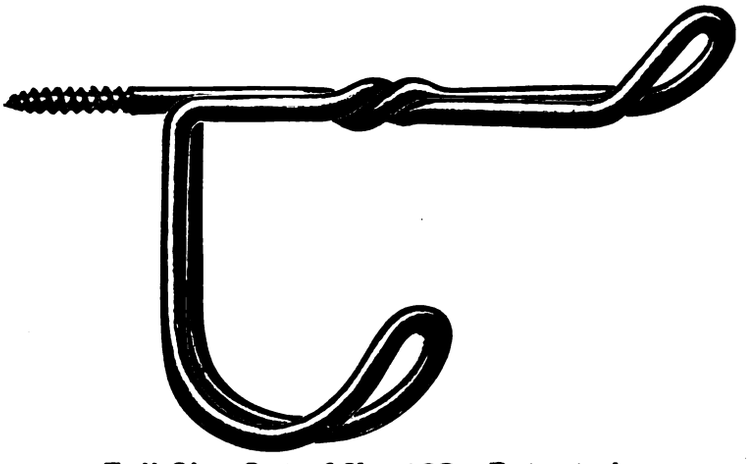
GLASS CUTTERS



We want every hardwareman to know that our specialty is the manufacture of . . . Rolling Steel Wheel Glass Cutters and that we can make it worth money to them to handle our goods. Correspondence solicited.
W. L. BARRETT, BRISTOL, CONN., U. S. A.

"The Chief"
COAT AND HAT HOOKS.

Strong,
Handsome,
AND . . .
The most
Popular Seller
in the Market.



Full Size Cut of No. 123. Patented.

WE have a full line of . . . . .
HOOKS
also for
Schools, Factories,
Stables, Fire Pails,
Pictures, etc.
Everything in
WIRE.

THE WIRE GOODS COMPANY,
WORCESTER, MASS,

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting.....15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....25&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890.40&10& 10@40&10&10&10 5%

GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-₤ bags ₩ bag.....$1.30
Drop Shot, sizes smaller than B, 5-₤ bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-₤ bags, ₩ bag.....$1.55
Drop Shot, B and larger sizes, 5-₤ bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-₤ bags, ₩ bag.....$1.55
Buck and Chilled Shot, 5-₤ bags, ₩ bag.....$ .35
Dust Shot, 25-₤ bags, ₩ bag....$2.00
Dust Shot, 5-₤ bags, ₩ bag ....$ .50

POWDER—
Laflin & Rand:
Rifle, extra, kegs.....25 ₤ $3.25
12½ ₤ 1.90
6¼ ₤ 1.10
Rifle special, kegs.....25 ₤ 4.25
12½ ₤ 2.40
6¼ ₤ 1.35
Creedmoor, kegs.....6¼ ₤ 1.10
Ducking, kegs.....6¼ ₤ 3.00
[For 1 M ₤ lots 10% discount.]
Blasting and Mining, A..25 ₤ 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each..... .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ₤.....$3.00
Eagle Duck Shooting, Nos. 1, 2 nd 3, in Kegs, 12½ ₤.... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 ₤..... 2.75
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤..... 1.65
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤..... .95
"V. G. P." for Trap Shooting, in Kegs 25 ₤..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ ₤..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 ₤..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤..... 1.35
Mealed Powder, in Kegs, 25 ₤. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ₤..... 3.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ₤ best black.....$ .85
Canister, equal in bulk to 2 ₤, best black..... 1.70
Drum, equal in bulk to 10 ₤, best black..... 8.25
Drum, equal in bulk to 50 ₤, best black..... 41.00
Drum, equal in bulk to 100 ₤, best black..... 82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success .....₩ doz. $3.80
Galien Safety.....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75

Anvils—

Eagle Anvils, ₩ ₤ 9c.....15@15&5%
Peter Wright's.....10@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¼c
American "Horse-Shoe"..9¾@10¾c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4 00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16	24-16	
$10.00	$11.00	$12.00	$14.00	

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist..... 45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....35%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal.50&10&5@60&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@40&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg ₩ gr.....$1.50@$1.55
Pat. Peg ₩ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. ₩ gr...$1.30@$1.40
Handled Brad, ₩ gr.....$2.50@$3 00
H'ld Scratch ₩ gr.....$4.00@$4.50
Socket Scratch ₩ doz....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands. $5.25@5 50
First quality, other " $4.75@5.00
Beveled add 50c ₩ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½&5
Lathing.....40&7½&5
Warehouse.....40&7½&5
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 ₤.....₩ doz. 80c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's ₩ doz. 75c 83c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%

Beef Shavers—

Enterprise.....35%

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's .....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...66⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....30%
Millers Falls ₩ doz. $4.50,.....

Bit Holders—

Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro. sets.....$5.50
Gorhams Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $1.00..20@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel....60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....80%
Wr't Shutter, all iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &c.—
Com. Jan. 30, '95.....65&12½%
Genuine Eagle, list Oct. '84...80&5@ 80&10%
Phila., Eagle, list $2.40.....80%
R. B. & W., old list.....70&10&3%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....67½%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....67½%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND FLOW—
Stove.....67½%
Plow.....60&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....67½%

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 50@ 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 20%

Bow Pins—

Humason, Beckley & Co.'s.70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co.60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American.$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30..... .....60%
Nos. 117, 118, 119.....0@70&75%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@80&10%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....80&10@80&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son..40%
Norwich Lock Mfg. Co. Bronze..30%

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5%
Fast Joint, Broad 50&10@50&10&10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@80%
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@75&5%
Loose Pin, Acorns, Jap.70&10@75&5%
Loose Pin, Acorns, Japanned, 70&10@75&5%

Plated Tips.....75&10@80%

WROUGHT STEEL—

List, April 1, 1895.
Narrow, No. 800
Narrow, Loose Joint, No. 802..
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No. 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No. 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 825.....
Extra Light, No. 826.....
Light Reversible, No. 834 .....
Light Loose Joint, No. 836.....
Wardrobe, Ger. Pat. No. 837½.....
Light Narrow, No 838.....
Loose Pin, Light Nar., No. 840.
Light Inside Blind, No. 842....
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 832.....
} 75&5@75&10%

Can Openers—

Messenger's Comet..⅌ doz $3.00, 25%
American.....⅌ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ⅌ gr. $12.00....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.3$1.75.25%
No. 5, iron Handle.⅌ gr....$2.20@2 25
Eureka.....⅌ doz. $2.50.....10%
Sardine Scissors...⅌ doz. $2.75@3.00
Dunlap's Sardine Scissors, ⅌ doz. $5.00....25%
Star.....⅌ doz. $2.75
New Sprague, Metallic Handles, ⅌ doz.....50c
New Sprague, Wood Handles, ⅌ doz.....60c
World's Best, ⅌ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50&10%
Electric Rotary Expansive, ⅌ gr $9.00
Goodell's Acme, ⅌ gr. $3.00; ⅌ doz.75c
Universal, ⅌ doz. $3.00.....55&5%
Domestic, ⅌ doz. $2.00.....45%
Champion, ⅌ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ⅌ gro $7.00.....50%
Kohler's Cyclone.....⅌ doz. 75c
Kohler's Lightning.....⅌ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@25%
Cotton.....20@25%
Wool.....20@25%

Carpet Stretchers—

Cast Steel, Polished.....⅌ doz. $2.25
Cast Iron, Steel Points.⅌ doz.75@90c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....⅌ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....⅌ doz. $36.00
Gold Medal.....⅌ doz. $27.00
Prize.....⅌ doz. $27.00
Premier.....⅌ doz. $27.00
Superior.....⅌ doz. $27.00
Cosmopolitan.....⅌ doz. $27.00
Furniture Protector, Japanned.....⅌ doz. $24.00
Furniture Protector, Nickel.....⅌ doz. $27.00
Inter Ocean.....⅌ doz. $27 00
Hall.....⅌ doz. $48.00
Crown Jewel, japan finish, ⅌ doz $19 00
Crown Jewel, silver bronze trimmings, ⅌ doz.....$20.00
Crown Jewel, nickel trimmings ⅌ doz.....$21.00
Excelsior.....⅌ doz. $22.00
Garland.....⅌ doz. $18.00
Grand Rapids, Jap...⅌ doz. $24.00
Grand Rapids, Nick..⅌ doz. $27.00
Housewife's Delight..⅌ doz. $15.00
Improved Parlor Queen Japanned.....⅌ doz. $24.00
Improved Parlor Queen Nickeled.....⅌ doz. $27.00
Standard.....⅌ doz. $24.00
Bissell Carpet Sweeper Co. make the following rebates: $1.00 ⅌ doz. in 5 doz. lots, $2.00 ⅌ doz. in 10 doz. lots.

Casters—

Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&10%
Deep Socket.....60%
Martin's Patent(Phoenix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50%
Yale Gem.....70&10%
Giant Truck Casters.....35%
Stationary Truck Casters.....50&10%
Socket Truck Casters..45&10@5&10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....66⅔&5%

COW TIES—

American.....60&10%
Triumph.....33⅓&5
Covert's Horse and Cattle:
Jute.....33⅓&5
Manilla.....33⅓&5
Sisal.....33⅓&5

Chain—

American Coil, in cask lots at fact.
3.16	¼	5-16	⅜	7-16	½	⅝	¾
$6.75	8.00	4.00	3.75	3.50	3.40	3.20	3.15

Less than cask lots, add ½c @ ½c ⅌ lb.
Trace, Wagon and Fancy Chains, 60&10&10@70%
Covert Mfg. Co.....45%
German Coil.....70@70&10%
German Halter Chain.....70@70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....45&5%
Covert's Heel Chains.....45&5%
Covert Mfg. Co. Chains.....45%
Galvanized Pump Chain, with Buckets.....6¼@6½&5%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

P. S. & W.....
Winsted Edge Tool Co.
Ohio Tool Co.....
Swan.....
Sag Harbor Tool Co....
Jennings & Griffin Mfg. Co.....
Mix.....
} 75@10&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to $
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....75&10&10%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ⅌ lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..80@20&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....50%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@50&10%
Carriage Makers', Sargent's..50&10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .... 2 & 0%

Cleavers—

Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.00
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10& 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s: Dividers.....65%
Brown & Sharpe Micrometer.....25%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....25%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40&10@50%
Williamson's 33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson .....⅌ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N R. G. Gloves...⅌ doz. $12 00
No. 625 Gloves.....⅌ doz. 4.50
No. 125 Gloves.....⅌ doz. 6.00
No. 150 Gloves.....⅌ doz. 9 00
No. 155 Gloves.....⅌ doz. 8.00
No. 146 Gloves.....⅌ doz. 9.00
No. 152 Gloves.....⅌ doz. 7.50
No. 142 Gloves.....⅌ doz. 7.00
No. 138 Gloves.....⅌ doz. 6.00
No. 052 Gloves.....⅌ doz. 8.00
No. 147 Gloves.....⅌ doz. 4 50
Wrist Supporters ....⅌ doz. .75
No. 160 Husking Pin..⅌ gro. 7.00
No. 165 Husking Pin..⅌ gro. 10 50
No. 170 Husking Pin..⅌ doz. 2.00
Hubbard's Solid Steel.⅌ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ⅌ doz. $2.00; E, $1.75.....6%
Wrist Supporters.....⅌ doz. 75c
Mittens.....⅌ doz. $1.50
Ashtabula.....⅌ gro. $2.50
Brinkerhoffs.....⅌ gro. $15.00
Buckeye.....⅌ gro. $4.00
Cleveland.....⅌ gro. $7.50
Johnson's.....⅌ gro. $6.50
Universal.....⅌ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@35&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Elnwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....⅌ gro. $2.75
Emerald.....⅌ gro. 5.00
Oriole.....⅌ gro. 5.00
Rainbow.....⅌ gro. 2.81
Solid.....⅌ gro. 7.50

Curry Combs—

Spring, Jap'd ⅌ doz. $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber, ⅌ doz. $7.50.....20⅌10%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....⅌ doz. $1.75
F. E. Kohler & Co.'s Humane ⅌ doz. $1.60
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5 $1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½ $1.35 $1.43 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.25, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00

SPARK COIL—

Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan., 1892.....33⅓&5

Door Springs—

Torrey's Rod, 39 in. ⅌ doz $1.20@1.25
Bee Rod ⅌ gr., $20.00.....2 ⅌
Warner's.....55@55&10%
Gem (Coil), list April 19, 1886..25&10 ⅌
Star (Coil), list April 19, 1886.20&10 &10%
Foster's (Coil).....20%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ⅌ doz, $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ⅌ doz. $5.50. 66⅔@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 80@80&10%
Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White.....20&5@25%
Bradley's.....35%
Adjustable Handle.....25@33⅓%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1.75
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $3.00..25%
Breast, Bartholomew's No. 12, ₩ doz.....$18.00
Ratchet, Merrill's.....30@30&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....30@30&5%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting..33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1 85
Stearns' Bench.....50@50&10%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
National .....₩ gro $1.50
Paine, Diehl & Co.'s Keystone..33⅓%
Dover (Standard Co.)....₩ gro $9.50
Dover Extra Heavy (Standard Co.) ₩ doz $2.50

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ lb..4½c	5c	3c	
½ kegs, ₩ lb.4½c	5½c	3½c	
¼ kegs, ₩ lb. 5c	5½c	3½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans less than 10.. 10c	10c	8c	

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....70%

Enameline—
No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—
John Sommer's Peerless Tin Key.40%
John Sommer's Boss Tin Key...50%
John Sommer's No Brand Metal Key.....60%
John Sommer's W. P. Metal Key.40%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's Reliable Cork Lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Chicago Cork lined.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Cedar (in bbls.) 50&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—
Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No 5.	No 5x.
Water Pails, 12 qt....	$3.00	$3.50	$4.00
Dairy Pails, 14 qt.....	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire"	3.40		
Prison Pails, 16 qt (with cover).....	6 50		
Buggy Pails, 7 in. high.	2.60		
Sugar Pails, with cover	4.50	5.00	
Horse Pails (short, wide and heavy).....	3.70		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt ...	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.....	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.....	4 50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)..	1.40	1.70	2.00
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2. 0
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls, ...	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4 00
Pitchers, 10½ in. high..	4.00	4.70	5.20
Milk Pans.....	1.80	2.00	2.20
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11½ inch.....	2.30	2 80	3.10
Waste Paper Jars.....	3.00	4 00	4.50
Mats, 8½ inch (for table use)	.50	1 00	1 20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.50	6.50	7.00
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Peck Measures.....	2.80		
Half Peck Measures...	2.50		

Files—
DOMESTIC—
Best Brands.....60&10&10@70%
Good Brands.....70&5@75%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&10&10%
IMPORTED—
Stubs.....Stubs' list, 25&30%

Filters—
Seed's Water Filters: A 1, No. 2, No. 3, No. 4, $4.50 $3.00 $1.75 $1.00 ₩ doz.

Fish Hooks—
Amer. Fish Hook Co. list..60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fluting Scissors—
List.....45%

Forks—
Hay, Manure, &c., Asco. List....75%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....65%
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—
Standard List:

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—
Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch .....25&10%
Bemis & Call's Steel..... .....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20.....
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....2%
Wire, Brown & Sharpe's.....25%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₩ gro....$4.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—
Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid.....25@30%

Glue Pots—
Tinned.....[illegible]@50&10%
Enameled.....[illegible]0@50&10%
Family, Howe's "Eureka".....40%
Family, L. F. C.'s "Handy".....50%

Graters—
Enterprise.....25%

Grindstones—
Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—
Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P., S. & W. Co.....50&10&10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—
See Ammunition.

Hafts—
Britton's.....₩ doz. $6.50

Halters—
Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters.....33⅓&5%
Web and Rope Halters...33⅓&5&5%
Horse and Cattle Ties.....33⅓&5%
Upson & Wooding.....40%

Halter Leads—
Covert Mfg. Co.....45%

Hammers—
HANDLED HAMMERS—
Maydole's.....25&1 @25&10&10%
Buffalo Hammer Co.... Humason & Beckley... Atha Tool Co..... } 50&10@60%
C. Hammond & Son. List..40&10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₩ doz..... Nos. 1, $3; 2, $6..... .....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co. Handled Claw.....40&10%
Machinists'.....50&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb...₩ lb 40c
3 to 5 lb.....₩ lb 36c } 75@75&5%
Over 5 lb.....₩ lb 30c
Wilkinson's Smiths...10c@10½c₩ lb

Hammock Ropes—
Covert Mfg. Co.....45%

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.03	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@ 50&10&10%
Roggin's Latches ₩ doz.....28c@33c

STORE DOOR HANDLES.—
Japanned Nuts.....$1 62
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc .....10&3%
Brad Awl .....₩ gr. $2.00
Hickory Firmer Chisel, as ₩ gr 4.50 "Firmer Chisel, large ₩ gr 5.00 } 50@10&10%
Apple Firmer Chisel, as..₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as ₩ gr 3.00 } 50&10%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75
Auger, assorted ...₩ gr 5.00 } 50%
Auger, large.....₩ gr 7.00
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc. 60&10@60&10&10%

CROSS-CUT SAW HANDLES—
Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion .....45%45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—
Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track..55%
U. S. Wood Track.....65%
Champion .....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track 55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $23.00; No. 3 $35.00; No. 4, $35.00.. .....70%
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction..60&10@60&10&5%
Duplex (Wood Track).....60&10&5%
Terry Ideal.....60&10%
Terry's Modern..... 60%
Terry's Modern, Covered.....60%
Terry's Safety..... 60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
Munger Hanger.....20&10%
Davis Parlor Door ..... 50@50&5%
Cronk's Steel cov'd Anti-Frict...60%
Cronk's Acme, Flat Steel ₩ doz. $7.00..... .....75%
Queen City Reversible...75&10&5%
Felix, ₩ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....50@50&5%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&5@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—
Lightning, from jobbers.$6.50@$7.50
Gem.....₩ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point 50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T.....80@80&10%
Corrugated Strap and T..80@80&10%
Hart's Pat. Heavy Strap.....80%
Screw Hook and Strap. { 6 to 12 in., ₩ lb 3 c; 14 to 20 in., ₩ lb 2 ½c; 22 to 36 in., ₩ lb 2 c }
Rolled Blind Hinges Nos. 82 and 84 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 6 to 12 in. ₩ lb, 5c. 14 to 36 in. ₩ lb, 4c.

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise 55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
American.....20%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.0
New Idea, No. 1, ₩ gro.....$12
New Idea, No. 2, ₩ gro.....$24.
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting.....25%
Union Mfg. Co.....35%
Bommer's 35%
Buckman's.....25%
Chicago.....80%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13 00
Devore's No. 1.....₩ gr. $13.00
Rex.....₩ gr. $13.00
Royal Japanned.....66⅔%
Royal Bronze.....45%
Reliable.....60%
Champion 60%
Matchless No. 10.....70%
Victor.....₩ gr. $10.00
Torrey.....80%
Rubber.....66⅔%

GATE HINGES—
Western, ₩ doz $4.20, 60&10@60&10 &5%
N. E...₩ doz $7.80, 60&10@60&10&5%
N. E. Reversible..₩ doz $5.60, 60& 10@60&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..₩ doz $4.90, 60&10@60 &10&5%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3. 60&10@60&10 &5%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker .....75&10%
Palmer.....60&10&10%
Seymour.....70&5%

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Nicholson ..... 45&10%
Huffer ..... 60&10@&10&10%
Clark's Nos. 1, 3, 5, 40 and 50. 75&10 &5%
Clark's Mortise Gravity 50%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75 10%
Shepard's:
Noiseless ..... 75&10%
Niagara 80%
Buffalo ..... 80&5%
Clark's Genuine Pattern 80%
O. S. Lull & Porter ..... 75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3 ..... 75&10&2½%

Hitching Cords—
Covert Mfg. Co 45%

Hoes—
HANDLED—
Garden, Mortar, &c ..... 75 & 30%
Planter's Cotton, &c ..... 80&20%
Warren Hoe ..... 60&10%
Magic ..... ₩ doz $4.00
Dunlap's:
Boys' ..... 80&10%
Ladies' ..... 80&10%
Toy ..... 80&10%
EYE—
D. & H. Scovil 20%
American Axe & Tool Co 70%
Lane's Crescent Planters Pat. 45&5%
Lane's Razor Blade, Scovil Pat. 30&5%
Maynard, S. & O. Pat ..... 45&5%
Sandusky Tool Co., S. & O. Pat 70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub 70%

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground ..... 60&10&10@70%
Unground ..... 70&5@75%
White Enameled Ware:
Maslin Kettles ..... 75&10@80%
Boilers and Saucepans .. 6 @ 10&10%
Tinned Boilers and Saucepans. 6 @ 60&10%
Granite and Agate-Ware ..... 40&10%
Ironclad Enameled-Ware ..... 6 &10%
Rustless Hollow-Ware ..... 50@5 &5%
Triumph Broilers 60%
SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton ..... 4 @ 40&5%
Meriden Britannia Co ..... 40&15%
Simpson, Hall, Miller & Co. 40&1 &5%
Rogers & Brother ..... 40&15%
Hartford Silver-Plate Co ..... 40&
William Rogers Mfg. Co ..... 40&15&5%

Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading ..... 60&10&10
Clothes Line, Sargent's list. @70% 5 &10%
Williamson Bird Cage, new list .. 40%
Ceiling, Sargent's list ..... 50&10%
Harness, Rg. list ..... 70@70&5%
Coat and Hat, Sargent's list .. 50&10%
Coat and Hat, Reading, 60&10@60 &10&10%
Coat and Hat, Moore's 70%
Wardrobe 55%
Screw Hat 70%
Chandelier 70%
Lamp 55%
Screw ..... 80&10&10%
Picture 75%
Cup 75%
Safety Gate 60%
WROUGHT IRON—
Cotton ..... ₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works 30%
Tassel and Picture (T. & S. Mfg. Co.) 75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz 60c
MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00 ..... 40%
Enterprise 33⅓%
WIRE—
Atlas Coat and Hat ..... 40@40&10%
Wire Coat and Hat, Gem, list April, 1886 ..... 70%
Wire Coat and Hat, "Cres't" .. 60&10%
Wire Coat and Hat, Miles', list April, 1886 ..... 50@50&10%
Indestructible Coat and Hat 45%
Wire Coat and Hat, Standard 45%
Wire Drive 60%
Belt ..... 80&10@80&20%
Handy Coat and Hat ..... 60@60&10%
Steady Ceiling ..... 60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.
MISCELLANEOUS—
Dunlap's Merchandise 25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush ..... 55@60%
Wiffletree—Premium 60%
Hooks and Eyes—Mal. Iron ..... 70&10%
Hooks and Eyes—Brass ..... 60&10&10%
Moores' Clothes Line 70%
Moores' Harness 70%
Moores' Hotel & School House 70%
Wm. Johnson's Cotton, Box and Hay 60

Horse Nails—
Nos. 6 7 8 9 10
Putnam ..... 23c 21c 20c 19c 18c 15%
American .. 9½ 9½ 9½ 9½ 9½ ..... net
Ausable ..... 28c 26c 25c 24c 23c. 40&5&2%
Clinton Fin. 19c 17c 16c 15c 14c .. 30&5%
Essex ..... 28c 26c 25c 24c 23c. 40&10@50%
Lyra ..... 9½c 9½c 9½c 9½c 9½c., net
Snowden, 9½c 9½c 9½c 9½c 9½c., net
Vulcan ..... 23c 21c 20c 19c 18c 25%
Northw't'n. 26c 23c 22c 21c 20c. 25@25&5%
A. C ..... 25c 23c 22c 21c 21c. 40&10%
C. B. K 25c 23c 22c 21c 21c 40%
Maud S ..... 25c 23c 22c 21c 21c 50&10&5%
Champlain .. 28c 26c 25c 24c 23c 40&5&2%
Saranac ..... 23c 21c 20c 19c 18c .. 40&5%
Champion .. 25c 23c 22c 21c 20c. 40&5&2%
Capewell ... 19c 18c 17c 16c 16c .. 10&5%
Anchor ..... 23c 21c 20c 19c 18c 35%
Western ..... 23c 21c 20c 19c 18c 50%
Empire Bronzed ..... 10@10½c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co 45%

Hose, Rubber—
Boston Belting Co.:
"Imperial" ..... 30&5%
"Boston" ..... 50&10&5%
Competition ..... 75@75&10%
Standard ..... 70&10@70&10&5%
Extra ..... 60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para ..... 40&10%
Reliable ..... 50&10%
Staple ..... 60&10%

Ice Chippers, &c.—
Dunlap's No. 1 ..... $3.50 per doz 20%
Dunlap's No. 20 .... $12.00 per doz 20%
Crown ..... $6.00 per doz 25%
Star ..... $3.00 per doz 25%
Gem Ice Shave ..... $6.00 per doz 25%
Copeland Ice Pick .... ₩ gr $9.00 net
Wm. T. Wood Ice Tools ..... 50&10%
Sargent's Ice Awls 55%

Jack Screws—
See Screws.

Kettles—
Spun Plain Brass ..... 25&5%
Spun Brass, plated inside with White Metal ..... 20&5%
Stamped Brass Kettles, ₩ lb 19@20%

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad ..... 40&2%
Eagle Lock Co's. Cabinet &c. 33⅓&2%
Lock Asso'n List Dec. 30, 1886. 50&10@ 60&5%
Hotchkiss' Brass Blanks 40%
Hotchkiss' Copper and Tinned ... 40%
Hotchkiss' Pad and Cab 35%
Ratchet Bed Keys .... ₩ doz $4.00, 15%
Wollensak Tinned ..... 50&10%

Knives—
Goodell's Butcher 25%
Wilson's Butcher Knives 25%
Ames' Butcher Knives ... 25@25&10%
Foster Bros.' Butcher, &c 40%
Nichols' Butcher Knives 50%
Cigar Knives ..... ₩ doz. 85 @ $1.15
Ames' Shoe Knives ..... 25@ 0%
Goodell's Shoe Knives 40%
Goodell's Bread Knives Ass'n list. net
New England Specialty Mincing Knives 50%
Pocket Knives 50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier 25%
Seconds 40%
F. E. Woodworth & Co ..... 50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread .. 25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives ..... List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal 50%

Knobs—
Door Mineral ..... 55@60%
Door Por. Jap'd ..... 65@70%
Door Por. Nickel ..... $1.75@2.00
Door Por. Plated, Nickel .. $1.75@2.00
Drawer, Porcelain. 60&10@60&10&10%
Hemacite Door Knobs ... 40&10@50%
Yale & Towne Wood, list Dec. '86. 40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890 .... 50&10%
Bardsley's Wood Door, Shutter and Base 15%
Kell's Bronze ..... net
Base, Rubber Tip ..... 70&10&5%
Picture, Judd's ..... 60&10&10@70%
Picture, Sargent's ..... 70&10%
Picture, Hemacite ..... 35&5%
Shutter, Porcelain ..... 70@70&10%
Shutter, Bronzed 60%
Carriage, Jap ..... ₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's ..... 60&10@60&10&5%
Monroe's Pat ..... ₩ doz $4.00, 40%
P. S. & W ..... 35&10@40%
Warner's 30%

Lawn Mowers—
New Easy ..... @60&10&60&10&10%
Enterprise 40%
Standard ..... 60&5%
Imperial ..... 60&10&10%
New York ..... 60&5%
Genuine Philadelphia Mowers: Styles, D., D. O. W., M., S., T., C. K. L., and B. Self-adjusting. 70&10%
Styles A., and E ..... 60&10%
Champion ..... 75&10%
Sunbeam ..... 60&10%
Pennsylvania ..... 60&10%
Continental ..... 60&10%
Great American ..... 70&10%
Rapid Transit ..... 70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—
Enterprise 25%
Gibbs' Arc ..... ₩ doz. $10.00
Gibbs' Hustler ..... ₩ doz. $5.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00 .. 40%
No. 4, $7.00 each 33⅓%

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 20&10%
Jennings' Star ..... ₩ oz. $2.25
The Boss ..... ₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant ..... 50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ dos. 8-in. $1.00; 10-in. $1.40 ..... 20%

Letter Box Plates—
Sargent's ..... 60&10&10%
Name Plate ..... 60&10%
Name Door Plate 50%
Number Door Plate 50%

Levels—
C. E. Jennings & Co.'s:
Hexagon 25%
Iron Bench, new design 25%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's. 50%
Cotton Chalk 55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25 ..... 25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50 .... 10%
Hoffman Corkran 23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro 30%
Mason's Linen 33⅓
Mason's Colored Cotton ..... 4 %
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list August 15, 1895 ..... 60&10 net
Mallory, Wheeler & Co., list July, '88 ..... 60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94 .. 60&10 @6. &10&10%
Branford Lock Co ..... net prices
Norwich Lock Mfg. Co ..... 55&5%
Craig Combination ..... net prices.
Brittan, Granam & Mathes, net prices.
Champion Night Latches 40%
Plate 33⅓%
Barnes Mfg Co ..... 40@40&10%
Yale ..... net prices
Deitz Flat Key 30%
Romer's Night Latches ..... 20&5%
Brooklyn Latches ..... 50&10%
Shepardson or U. S 35%
CABINET—
Cabinet Locks ..... 60&10@70%
Eagle Lock Co ..... 25&10%
Charles Parker Co ..... 33⅓&2%
Dietz, Nos. 22 to 39 ..... 40%
Dietz, Nos. 41 to 78 ..... 45%
Dietz, Nos. 87 to 96 ..... 30%
Stoddard Lock Co ..... 30@33⅓%
Yale ..... net prices
Romer's 25%
Barnes Mfg. Co ..... 40@40&10%
PADLOCKS—
Wrought Iron ..... 70&10@80%
Gem, Corbin Cabinet Lock Co. 40&2%
Eagle 40%
Eureka, Eagle Lock Co ..... 40&2%
Yale Lock Co ..... net prices
Romer's Nos. 0 to 3 ..... 40&5%
Scandinavian ..... 90&40@90&40&10%
A. E. Deitz 40%
Champion Padlocks 40%
Hotchkiss 30%
Star ..... 60&10%
Horseshoe, ₩ doz. $9.00 .. 50@50&10%
Barnes Mfg. Co ..... 50@ 0&10
Nock's ..... 30&10%
Brown's Pat ..... 20&10%
Scandinavian ..... 90&10%
Fraim's Keystone Scandinavian
Nos. 1010 line ..... 90&50%
Nos. 120 line ..... 90&25%
Nos. 109 line 65%
Nos. 225, 610 ..... 75%
Nos. 510 line ..... 70&10%
Other numbers ..... 50&5%
Ames Sword Co. up to No. 108, inclusive 50%
Ames Sword Co. above No. 108, 50&10%
Acme Bicycle and Satchel per doz. $9.00 ..... 33⅓%
Smith & Egge Bicycle 50%
Slaymaker, Barry Co.'s:
No. 21 to 712 ..... net
Cast Key, Scandinavian Locks 90&10%
Flat Steel Key, Scandinavian Locks ..... net
Self-Locking Scandinavian Locks ..... net
Bicycle Locks 35%
R. R. Switch and Car Door Locks ..... net
Dog Collar Locks ..... 4 %
All other Padlocks ..... net
Night Latches ..... net

Mallets—
Hickory ..... 20&10@40%
Lignumvitæ ..... 20&10@40%
Raw-Hide ..... 40&10%

Mattocks—
Regular list ..... 70&10@75%

Meat Cutters—
Dixon's ..... ₩ doz 40%
Nos. 1 2 3 4
$14.00 $17.00 $19.00 $30.00
Woodruff's ₩ dos. 33⅓%
Nos. 100 150
$15.00 $18.00
Hales Pattern ₩ doz. ..... 70@70&5%
Nos. 11 12 13
$37.00 $33.00 $45.00
American 30%
Nos. .... 1 2 3 4 B 5
Each. $5 $7 $10 $25 $50 $60
Perfection 40%
Nos. 1 2 3
Each. $2.00 $2.75 $4.00
Enterprise ..... 25&20%
Nos. 10 12 22 32 42
Each ... $3 $2.50 $4 $6 $15
Miles' Challenge ₩ doz. ..... 45@45&10%
Nos. 1 2 3
$22.00 $30.00 $40.00
Home No. 1. ₩ doz $26.00 ..... 60%
Draw Cut, each:
Nos. 5 2 6 8
$50 $75 $80 $225 ..... 20@25%
Beef Shavers (Enterprise) ..... 25@30%
Little Giant ..... 50&10%
Nos. 305 310 312 320 322
$35.00 $48.00 $44.00 $72.00 $88.00
Chadborn's Smoked Beef Cutter. ₩ doz $66.00

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Wire Nails and Brads, Patented, Association list, May 1, 1892, 8 & 10@8. &10&10%
Grand Crossing Tack Co. List:
Wire Brads ..... 80&25%
Wire Nails ..... 80&25%
PICTURE—
Brass Head, Sargent's list, 70&10@ 70&10& 5%
Brass Head, Combination list, 50& 10%
Porcelain Head, Sargent's list, 50& 10%
Porcelain Head, Comb'n list, 40&10%
Niles' Patent 40%
FURNITURE—
Plain 40%
Fire Gilt 10%
Antique Bronze 10%
China 25%

Nail Pullers—
Black Hawk, per doz $9.00
Curtiss Hammer ..... ₩ doz $9.00
Giant, No. 1 ..... ₩ doz $18.00, 2 @ 10%
Giant, No. 2 ..... ₩ doz $15.00, 2 @ 10%
Pelican ..... ₩ doz $9.00, 25&10%
Lightning ..... ₩ doz $18.00, 20%
Scranton No. 2 ..... ₩ doz. $10.00
Scranton No. 3 ..... ₩ doz. $9.00

Nail Sets—
Square ..... ₩ gr. $4.00@$4.25
Round ..... ₩ gr. $3.25
Buck Bros 27½%
Einwachters ..... 60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's ..... 50&10%
Dunlap's 20%
Wm. Johnson's Round, Square and Octagon 50%

Nut Crackers—
Acme, Japanned, ₩ gross $30.00 .. 50%
Turner & Seymour Mfg. Co ..... net

Nuts—
Cold Punched, Square ..4¾c off list
Hex ..... 5c off list
Hot Pressed, Square ...5½c off list
Hex ..... 6.1 off list
In packages of 100 lb. add 1-10c ₩ lb. net; in packages less than 100 lb. add ½c ₩ lb. net.
Tapped 10%

Oilers—
Zinc and Tin ..... 70&10@75%
Brass and Copper ..... 50&10@ 0%
Malleable. Hammers, Improved 10& %
Malleable, Hammers, Old Pattern, same list ..... 50&10@60%
"Perfect" Pocket Oilers, 25c. ₩ doz $1.85
Prior's Pat. or "Paragon" Zinc 70%
Prior's Pat. or "Paragon" Brass ... 60%
Steel, Draper and Williams 50%
Tower & Lyon Bicycle 25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust ..... 70@70&10%
"Star" Oilers ..... ₩ doz. 85c

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Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¼ to 2⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x⅝ to 1⅛, ₩ lb.....25
" 2x2x1⅛, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¼ to 2x⅝ to 1, ₩ lb.....2.80
No. 1. 5½ to 8x1¼ to 2x⅝ to 1, ₩ lb.....3.50
No. 1, 8 to 12x1¼ to 2x⅝ to 1, ₩ lb.....4.00
No. 2, 3 to 5½x1¼ to 2x⅝ to 1, ₩ lb.....1.00
No. 2, 5½ to 8x1¼ to 2x⅝ to 1, ₩ lb.....1.50
Discount 33⅓%
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x3 in.....₩ doz $ 0.00
7x3 in.....₩ doz. 33 00
6x2 in.....₩ doz. 30 00
5x2 in.....₩ doz. 24.00
4½x 1⅛ in.....₩ doz. 14 00
3½x1 in.....₩ doz. 9 00
4x1 in, on Mahogany Handles.....₩ doz. 7 00
3½ in., in Vulcanized Rubber Case.....₩ doz. 12.00
Discount 33⅓ & 10%
Pike's Arkansas Round Edge Slips:
No. 1 reg, 3 to 5x1¼ to 2x⅝ to ⅝ in. back x⅛ to ⅜ in edge, ₩ lb.....$4.00
No. 1 small, 3 to 5x1¼ to 1¼x¼ to ⅜ in. back x⅛ in to sharp edge.....₩ lb 6.00
No. 2 assorted sizes.....₩ lb 2.50
Discount 33⅓%
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅝ to ⅝ ₩ lb.....4 00
No. 2, assorted sizes, ₩ lb.....2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¼ to 2x⅝ to 1 in.....₩ lb, $1.50
No. 1, 5½ to 8x1¼ to 2x⅝ to 1 in.....₩ lb, 1.70
No. 1, 8 to 12x1¼ to 2x⅝ to 1 in. ₩ lb.....1.90
No. 2, 3 to 5½x1¼ to 2x⅝ to 1 in.....₩ lb, .50
No. 2, 5½ to 8x1¼ to 2x⅝ to 1 in.....₩ lb. .70
Discount 33⅓%.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1 reg., 3 to 5x1¼ to 2x⅝ to ⅝ in. back x ⅛ to ⅜ in. edge, ₩ lb.....$2 50
No. 1, small 3 to 5x1¼ to 1¼x¼ to ⅜ in. back x ⅛ in to sharp edge.....₩ lb, 4.00
No 2, assorted sizes.....₩ lb, 1.00
Discount 3 ⅓%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x⅝ to ⅝ in.....₩ lb, $2.50
No. 2, assorted sizes.....₩ lb 1.00
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x⅝ to 1⅛, ₩ lb .08
Washita Finish, about 8x2x⅝ to 1⅛, ₩ lb.....10
Round Edge Slips, about 6x1¼ to 2x¼ to ⅝ back x ⅛ to ¼ edge, ₩ lb.....20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb.....12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross.....8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross.....30

Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb.....08
Small Axe, about 3x2x½ to 1 ₩ lb.....10
Special Axe, 2½x1½x½ ₩ lb... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb.....05
Medium, 8 x 1½ x 1½, weight about 1½ lb, ₩ lb.....05
Large, 8x1¾x1¾, weight about 2 lb, ₩ lb.....05
Small table, 10x2¾x3¾, weight about 4 lb.....₩ lb.....06
Large Table, 10x2¾x5 " 06
Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₩ lb .50
Extra, " ₩ lb.....8
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per lb 70c.....40%
Boston "Phœnix" Red Sheet, per lb.....50c.net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N. Y. B. & P. Co., 1846-Para....40&10%
N. Y. B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....70@5%
Standard, Fair Quality...70&10@75%
Extra.....60&5@30&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₩ lb 30c 25@25&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ lb
Russian Packing.....13c@14c ₩ lb
Italian Packing.....12c@13c ₩ lb
Cotton Packing.....14c@15c ₩ lb
Jute.....6c@7c ₩ lb

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ dz..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.50
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro $4.50
Dixon's Mascot, Round..₩ gro. 3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey s..50&10&10@50&10&10&10%
Miscellaneous.....25&10%
Steer s Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's.....6..@60&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....} 30&10@30 &10&10%
Sandusky.....
L. & J. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers. ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00...40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronks, Stubb's Pat. Pliers.....50%
Cronk's Button Pattern.....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....20&10%
Stanley's Handy.....20&10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@75&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $26.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....20%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75
Dixon's Plumbago.....₩ lb 80

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $1.00; ₩ gr. $8.00
1½ qt. ₩ doz. $1.00; ₩ gr. $9.00 } 10@
2 qt., ₩ doz. $1.50; ₩ gr. $14 00 } 15%
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt., $4 00.....33⅓%

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.

Pruning Hooks and Shears—

Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale. 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co.....60%
Levin Pruner, No. I, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔%@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70. Fig. 335, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No. 103, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131. Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 4 4, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 5 2, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16 00
No. 342, Fig. 477, Spray Pump complete.....$11.50
No. 320 Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@55
Spring, good quality, ₩ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring.....50&5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co's New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe.....$6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.50
Planished Iron, to fit 7 in. Stove Pide.....$8.50
Planished Iron, to fit 8 in. Stove Pipe.....$10.00

Rail—

Sliding Door, Wr't Brass, 1½ in. ₩ lb, 30c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron. ₩ ft. 6½c
Sliding Door, Iron, Painted...₩ ft 2c
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot.....70%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—

Cast Steel, Association goods.75&20%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz. $3.50
Gibbs' Favorite.....net ₩ doz. $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1. net ₩ doz. $4.50
Gibbs' Hustler, No. 0. net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4	
Per doz	$1.40	1.50	1.80	2.25	..30%

Boys' rakes.....₩ doz $3.50

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Ladies' rakes, ₩ doz., No. 1, $3.00; No. 2, $2.50. 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth, No. 1 $2.40; No. 2 $3.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust $1.50
Gibbs' Garden:
Boss, No. 14 net ₩ doz. $2.60
Boss, No. 18 net ₩ doz. $3.75

Razors—

J. R. Torrey Razor Co. 20%
Wostenholm and Butcher, $10.00 to $. 10%
Jordan's AAA1, list Nov. 1, 1889. 50%
Jordan's Old Faithful, list Nov. 1, 1889 50%
Electric List net
Campbell's Celebrated Warranted 50%

Refrigerator Hardware—

Francis Keil & Son 50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95 60%
Coopers 60%
Block 60%
Carriage 60%
Hame 60%
Burrs 60%
American Screw Co.:
Bay State Rivets 75%
Belt with Burrs 65%

Rivet Sets—

Regular list 70%

Rods—

Stair, Brass 25@30%
Stair, Black Walnut ₩ doz 40c

Rollers—

Barn Door, Sargent's list. 60&10&10@70%
Moore's Acme Barn Door 50%
Moore's Adjustable Stay 55%
Union Barn Door Roller 70%

Rope

Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ ℔ 7 c
Manila, ⅜in ₩ ℔ 7½c
Manila, ¼ and 5-16 in ₩ ℔ 7 c
Man. Hay Rope, Med. ₩ ℔ 8 c
Sisal, 7-16 in. & larger ₩ ℔ 5 c
Sisal, ⅜ in ₩ ℔ 5½c
Sisal, ¼ and 5-16 in ₩ ℔ 6 c
Sisal, Hay Rope 5 c
Sisal, Med. L'the Y'rn ₩ ℔ 4½c
1½% for cash in 10 days.
Cotton Rope, Best, ¼ in. and larger ₩ ℔ 13@12½c
Medium, ¼ in. and larger, ₩ ℔ 9c
Common, ¼ in. and larger, ₩ ℔ 8c
Jute Rope ₩ ℔ 5½@6c

Rules—

Boxwood 60&10&10&10@80&10&10&10&5%
Ivory 60&10%
Miscellaneous, Stanley's 60%
Starrett's Rules and Straight Edges, Steel 25&10%
Lufkin's Steel 60%
Lufkin's Lumber 5 &10%
Brown & Sharpe 25%

Sad Irons—

From 4 to 10 ₩ ℔ 2@2½c
Self-heating ₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Gleason's Shield and Toilet 30%
Enterprise Star Irons 30%
Chinese Laundry:
New England Butt Co. 6½c
New England 60, 20&10%
Mahony's Troy Pol. Irons 15%
Sensible Pol., ₩ doz $1.20 20%
Nickel ₩ doz. $7.00
National Self-heating 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set $ .75 net.
No. 55, ₩ set .70 net.
No. 60, ₩ set .80 net.
No. 65, ₩ set .76 net.
Outfits, No. 550, each 2.60 net.
Outfits, No. 555, each 2.45 net.
Colebrookdale Iron Co.:
Crown, Impooved Pol, ₩ doz $3.50
Nickel ₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper 50&10&5@5%
Emery Cloth 50&5%
Garnet Paper 30&5%

Sash Chain—

Giant 40%
Monarch 50%
Red Metal 40&10&10%
Steel 40&10&10%
Morton's:
Champion Metal 25%
Steel Cable 25%

Sash Cord—

Common ₩ ℔ 8½c@9c
Jute, good quality ₩ ℔ 11c
White Cotton Braided, fair ₩ ℔ 21c@24c
Common Russia Sash ₩ ℔ 12½c @ 8c
Patent Russia Sash ₩ ℔ 13½c@14c
Cable Laid Italian Sash ₩ ℔ 22½c@25c
India Hemp Sash ₩ ℔ 10½c@ 1c

Silver Lake:
A Quality, White ₩ ℔ 50c 10%
A Quality, Drab ₩ ℔ 55c 40%
B Quality, White ₩ ℔ 30c, 15&7½%
B Quality, Drab, ₩ ℔ 35c, 15&7½%
C Quality, White (only) 28½c @ 28c
Sylvan Spring:
Extra Braided White ₩ ℔ 33c
Extra Braided Drab ₩ ℔ 33c
Semper Idem, Braided White ₩ ℔ 24c
Samson:
"Mass." White, Cotton 24c
"Samson" Braided White, Cotton ₩ ℔ 30c
"Samson" Braided Drab, Cotton ₩ ℔ 35c
"Samson" Braided Italian Hemp ₩ ℔ 33c
"Samson" Braided Linen, ₩ ℔ 30c

Sash Fasteners, Holders, &c.—

Sash Lifts 60&10&10%
Sash Lifts With Lock 60%
Sash Lifts Flush 60&10%
Shutter Bars 60&10@75&10%
Sash Rollers 66⅔%
Shutter Sheaves 60%
Window Screen Sash Lifts 66⅔%
Motley's Holder, on gross lots, medium size ₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's 33⅓%
Reading 60&10@60&10&10
Hammond's Window Springs, A 60&10%
Hammond's Window Springs, B. 50%
Common Sense, Jap'd, Cop'd, and Br'zed ₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity 60%
Kempshall's Gravity 60%
Kempshall's Model 60@60&10%
Corbin's Daisy, list Feb. 15, '86 70%
Payson's Perfect 70%
Hugunin's Sash Balances 30&2%
Hugunin's New Sash Locks 25&5&2%
Stoddard "Practical" 10%
Ives' Patent 60&10&5@30&10&10%
Davis, Bronze, Barnes Mfg. Co. 60%
Champion Safety 70&5%
Security 70%

Sash Weights—

lc. ₩ ℔, Carload lots $19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00 20%
Enterprise Mfg. Co. 25%
Silver's 40&10%

Saws—

Disston's Gang 45%
Disston's Circular 45@45&5%
Disston's Cross Cuts 40&10%
Disston's Panel, Hand & Rip 35%
American Saw Co.'s:
Solid Circular 40%
Perforated Circular 30%
Gang, Drag & Mill 40%
X Cuts, Regular Back 25c. ₩ foot
X Cuts, Perforated 30c. ₩ foot
Woodrough & McParlin Cross Cuts 45&10%
Hand Panel and Rip 25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws 25%
Peace Circular and Mill 45@45&5%
Peace Hand Panel and Rip 25@25&5%
Peace Cross Cuts, Stand'd 45&10%
Peace Cross Cuts, Thin Back 45&10%
Richardson Circular and Mill 4 @45&5%
Richardson X Cuts 45&10%
Richardson Hand-saws 25@25&5%
Haines' Needle Point 40%
Atkin's Circular 50&10%
Atkin's Band 50&10%
Atkin's Cross Cut 40%
Atkin's Wood 40%
Atkin's Hand 40%
Atkin's Butcher, Pruning and Compass 40%
Star Saw Blades 25%
Star Bracket 25%

HACK SAWS—

Griffin's complete 40&10@50%
Griffin's Hack Saw and Blades, 40&10@50%
Chatillon 30%
Butchers 25%
Star Butcher 25@25&10%

Saw Frames—

Star Hack 25%
White Vermont ₩ gro. $9.00@$9.50
Red, Polished and Varnished ₩ doz., $1.50 25%
C. E. Jennings & Co. 20%
Richardson's Wood net
Wm. Johnson's Turning Cabinet 40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 55@55&10%
Common Lever ₩ doz., $2.00, 40@50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00 40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00 40&20%
Perfect Saw Jointer 33⅓%
Leach's No. 0, $8.00; No. 1, $15.00 33⅓@35%
Cunningham Band 15%
Automatic 25%
Nash's 20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat. 45%
Bemis & Call Co.'s Spring Hammer 30&5%
Bemis & Call Co.'s Plate 20%
Bemis & Call Co.'s Cross Cut 30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever 30%
Disston's Star, $9.00, No. 15, $5.50 25@2½&10%
Richardson's 25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00 40&10@50%
Avery's Saw Set and Punch 50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal" ₩ doz. $12.00
Lloyd Acme ₩ doz., $15.00, 40&10%
Leopold 40&10@50%
King's 33⅓%
Keller's 40&10%
Wm. Johnson's:
Hammer 60&5%
Lever, 3 kinds 45%
Wheeler's Patent 60%

Scales—

Union Platform Plain $2.00@$2.10
Union Platform Striped $2.15@$2.25
Chatillon's Grocers' Trip Scales 50%
Chatillon's Eureka 25%
Chatillon's Favorite 40%
Family, Turnbull's 30@30&10%
Riehle Bros.' Platform 40@40&10%
Brittan Graham & Mathes 50%
"The Standard" Pittsburg 50%

Scale Beams—

Scale Beams, List Jan. 12, '82 50&10@50&10&10%
Chatillon's No. 1 40%
Chatillon's No. 2 50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00 40&10%
Box, 1 Handle ₩ doz., $2.00
Box, 2 Handle ₩ doz., $3.00@$4.00
Defiance Box & Ship 20&10%
Foot 55&5@60&5%
Ship Common ₩ doz., $2.40 net
Ship, R. I. Tool Co. 10%

Screens—

Phillips:
Bonanza Screens 60%
Perfection Screens 60%
Extension 50&10&5%
Flyer 50&10%
Window Screen Frames 60&5%

Screen Doors—

Phillips:
Stained 50&10%
Painted 50&5%
Fancy Pine 15%
Empire Fancy 30&35%
Standard Oil 35&40%

Screw Drivers—

C. E. Jennings & Co. 40%
Einwachters "Challenge" 50%
Millers Falls Automatic 25%
Millers Falls Ratchet 25%
Millers Falls Duplex 25%
Disston's 5 @50&10
Disston's Pat. Excelsior 50&5%
Buck Bros. 30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles 60&10%
No. 86 70&10%
Sargent & Co.'s:
No. 1 Forg. Blade 50&10@50&10&5%
Nos. 20, 40 and 60 50&10@50&10&5%
French's Beech, Round 70%
French's Beech, Flat 75%
French's Ebony, Round 60%
French's Ebony, Flat 70%
N. E. Specialty Co.'s 50%
Electric Spiral 50%
Gay & Parsons 35%
Champion 40@40&10%
Clark's Pat. 33⅓@40%
Ellrich's Socket and Ratchet 40&10%
Howard-Allard 50&10@50&10&5%
Rapid Spiral 33⅓%
Screw-Driver Bits ₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12.45%
Hercules 70%
P. D. & Co.'s all Steel 50%
Brace Screw-Drivers 25&10%
P. S. & W 70%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 27½&5%
"Handy" Ratchet 25%
Champion 33⅓%
Copeland 25@25&10%
Brace 25&10%
Williamson's:
Gem, ₩ doz. 90c
Beauty, ₩ doz. $1.00 50%
Wm. Johnson's:
135 A 70&10%
135½ Extra 70%
138 Ebonized Handle 70%
141½ 75%
142 Ebonized Handle 70%

Screws—

WOOD SCREWS—List, Dec. 20, '95.
Bright Flat Head Iron 85%
Br't R'd & Oval Head Iron 75%
Nickel Plated, Flat Head 75%
Nickel Plated, Round Head 72½%
Silver Plated, Flat Head 50%
Silver Plated, Round Head 50%
Flat Head Brass 85%
Round Head Brass 75%
Flat Head Bronze 85&10%
R'd and Ovel Head Bronze 75%
Phosphor Bronze, Flat Head 60%
Phosphor Bronze, Round Head 55%
Flat Head Copper 60%
Round Head Copper 60%
Rogers Drive Screws 65%

MACHINE—

Flat Head, Iron 45%
Round Head, Iron 40%
Brass, Flat Head 45%
Brass, Round Head 40%

Bench, Hand, etc.—

Bench, Iron 70%
Bench, Wood, Beech ₩ doz $2.25
Hand, Wood 25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1890. 75&2½%
Coach list Jan. 30, '95 75&17½%
Bed 50&10%
Hand Rail, Sargent's, 70&10@70&10&10%
Hand Rail, H. & B. Mfg. Co. 75@75&5%
Hand Rail Am. Screw Co. 70%
Jack Screws, Millers Falls, Roller Bearing 50&10%
Jack Screws, Millers Falls, without Roller Bearing 50&10&10%
Jack Screws, P. S. & W 35%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns' 40&10%
Piano Stool 60&10%
Chair 60&10%

Scroll Saws—

C. E. Jennings & Co. 25%
Lester, complete, $10.00 25%
Rogers, complete, $4.00 25%
Barnes' No. 1, $8; No. 6, $10; No. 7, $15 25%
Barnes Scroll Saw Blades 25%

Scythes—

Grain 50@50&10%
Grass 50&10@60%

Seeders—

Enterprise Raisin 25%

Shears—

Ætna, Steel Japanned 60&20%
Ætna, Steel Nickeled 70&20%
Davenport Cutlery Co.'s 60@60&10%
American (Cast) Iron 75&10@50&5%
Barnard's Lamp Trim'rs ₩ doz. $3.75
Tinners' 20&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears 33⅓%
Clauss' Brand, Nickel 60%
Japanned 70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap. 75%
Nickel 65%
Campbell Cutlery Co.'s Scissors List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1887 50&10@60&5%
R. & E., list August 15, 1895 60%
Corbin's list 60&10&2%
Patent Roller 60&10&2%
Patent Roller, Hatfield's 75%
Russell's Anti-Friction, list Dec. 18, 1885 60&2%
Moore's Anti-Friction 50%
Hatfield Sheaves 30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s 60%
Sargent's list 70%
Reading list 65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Boss, from jobbers $3.15@$3.40
Bryden's Frog Pressure $4.00
Perkins Steel Side Weight Hind $3.15@$3.40
Perkins Improved Snow ₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots ₩ ℔ 9c
1000 ℔ lots ₩ ℔ 9½c
500 ℔ lots ₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c. 20%
Griffith's Black Iron 50&10
Griffith's C. S. 60@60&10%
Griffith's Solid C. S. R. R. Goods 30%
Old Colony (Sanford Fork & Tool Co) 35%
St. Louis Shovel Co. 30@30&7½%
Hussey, Binns & Co. 15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co. 20&10%
Payne, Pettebone & Son, list Jan., 1886 30%
Rowland's Black Iron 60&5%
Rowland's Steel 60&10&5%

Shovels and Tongs—

Iron Head 60&10@60&10&5%
Brass Head 60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $13@13.50

Slaw Cutters—

Enterprise 25%

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Slicers—
Enterprise Vegetable.....25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guarded, 7c & 10c & 11 @70 & 10 & 10 & 10%
Sargent's Covered Spring.....60 & 10%
Sargent's Open Spring.....70%
German, new list.....40 & 10%
Shaw Patent Slide Lock.....60%
Cockeye.....70 & 10%
Covert Mfg. Co.....45 & 2 @50%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps } 40 & 5%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps.
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.) 5 & 10%
Seymour Smith & Sons, Iron.....20%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 75 & 10 @80%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70 & 25%
Buffalo S. S. & Co.....33⅓ & 2%
B. B. Noyes Meat Forks..50 & 10 @60%

SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40 & 15%
Rogers & Bro.....40 & 15%
Wm. Rogers Mfg. Co.....40 & 15 & 5%
Simpson, Hall, Miller & Co. 40 & 15 & 5%
C. Rogers & Bros.....40 & 15 & 5%
Holmes & Edwards Silver Co.. 40 & 15 & 5%
L. Boardman & Son.....50 & 12½%

MISCELLANEOUS—
German Silver.....50 & 10%
German Silver, Hall & Elton..50 & 5% cash
German Silver, Rogers.....60 & 6%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50 & 10 & 6%
Rogers.....40 & 10 & 5%
Nickel Silver..50 & 5 @50 & 10 & 5% cash
Britannia.....60 & 10%
Boardman's Nickel Silver 60 & 7½ & 5%
Boardman's Britannia Spoons, case lots.....60 & 10% cash

Springs—
See Door Springs.

Squares—
Steel and Iron, Nickel-Plated.....75 & 1 @10%
Try Square and T Bevels 60 & 10 & 10%
Disston Try Square and T Bevels. 5 @50 & 10%
Winterbottom's Try Mitre...30 & 10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....25%

Staples—
Grand Crossing Tack Co. List: 75 & 10%
Sargent's Wrought Iron:
Staples.....80 & 25 & 10%
Extra Heavy.....80%
Hooks and Staples.....80 & 25 & 10%
Extra Heavy.....80%
Hasps and Staples.....80 & 25 & 10%
Extra Heavy.....80%
Staples on Plates.....80 & 25 & 10%
Wagon Bow Staples....80 & 25 & 10%
Square Crown Carpet—paper....75%
Square Crown Carpet—bulk..75 & 10%
Barrel.....75 & 10%
Box and Casket.....75 & 10%
Barbed Blind—¼ inch and larger ₩ lb.....7c @7½c
Barbed Blind—⅜ inch, ₩ lb..8c @8½c
Round Wire Round Crown....60 & 5%
Barbed Bed Spring Staples...75 & 10%
Chisel-Pointed Barbed.....75 & 10%
Poultry Netting.....80 & 10%
Norway Iron Clinch.....80 & 10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....3⅓%
Butterfield's Goods.....3⅓%
Lightning Screw Plate.....25 @30%
Reece's New Screw Plates.....25 @30%
Reversible Ratchet.....25%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stove.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
Papered, Dozened and M's, Straight Weights. Full Half and Quarter Weights, 2% for cash.

Star weights (**). 5% extra; Standard weights (***) 10% and 5% extra, and special weights (****) (tinned and coppered carpet tacks only), 10 and 15% extra.

Carpet Tacks:
American, blued.....80 & 3 3%
American, tin and cop'd..85 & 3½%
Steel, blued and bright.....85 & 5%
Steel, tinned and cop'd...8 & 3½%
Swedes Iron, S.S., blued 8 & 3½ & 10%
Swedes Iron, S.S., tin'd 8 & 3½ & 10%
Swedes, Iron, Lanc., blued...87½%
Swedes, Iron, Lanc., tinned..87½%
American, Iron, Dam.....85 & 10 & 5%

Swedes Iron Tacks:
S. S., blued.....87½%
S. S., tinned.....87½%
Lanc, blued.....8 & 2½%
Lanc, tinned.....8 & 2½%

Upholsterers' Tacks:
[illegible].....90%
Lanc.....8 & 5%

Gimp Tacks:
S. S., blued.....9 & 15%
S. S., tinned.....9 & 10%
Lanc., blued.....8 & 30%
Lanc., tinned.....85 & 30%

Trimmers' Tacks:
Lanc.....69 & 2½%
S S.....85%

Looking Glass Tacks.....70%
Leathered.....6 %
Lace Tacks.....70%
Blued and tinned.....8 & 35%
Basket Tacks.....62½%
Berry Box Tacks.....62½%

Trunk Tacks:
S. S.....60 & 5%
Lanc.....62½%

Miners' Tacks, S. S.....60 & 5%
Bill Posters' and Railroad Tacks:
S. S.....60 & 5%
Lanc.....62½%
Brush Tacks, bulk.....87½ & 5%
M's.....75 & 15%
S. S.....55%
Lanc.....5 %
Hungarian Nails.....80 & 2 %
Common and Patent Brads.....80%
Finishing Nails.....57½%
Trunk and Clout Nails.....57½%
Basket Nails.....5%
Chair Nails.....45%
Cigar Box Nails.....45%
Shoe Finders' List, April 14, 1894. Extra 33⅓ & 2% cash.
F. H. Cobblers Nails:
4-8 in., and shorter, ₩ 100 lb $1.60
5-8 in. and longer, ₩ 100 lb....$1.90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No. 18 & 19.	17 & heavier.
2-8 & 2½-8 in.	$64 90	$44 00
3-8 & 3½-8 in.	55.50	3 00
4-8 & longer,	44.50	36.10

MISCELLANEOUS—
Double Point.....85 & 10 @85 & 10 & 5%
Wire Carpet Nails.....80 & 10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₩ box $1.50
Claw Haudle Carpet.....₩ gr $1.00
Home Tacks. No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $32.00. 10 & 2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 5 & 2%.
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks..66⅔ & 33⅓ & 2%
Miniature Keg Tacks..66⅔ & 33⅓ & 2%
Upholsterers' Nails.....50 & 10%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " "...1.50

Tapes, Measuring—
Lufkin's Steel and metallic.....40%

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50 & 10%
Pipe.....80%
Blacksmiths' Taper.....50 & 10%

Tin, Perforated—
Harrington & King Perforating Co: 10 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1.20
6	$6.95	$1 15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20 & 2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887.....70 & 10 @70 & 25%

Trammel Points—
Cook's.....25%
Stanley's.....30 & 10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%
Sargent's.....70 & 10 @70 & 10 & 10%
Backus and Union.....40%
Prentiss'.....30 @25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T. $3 50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft.....09
Single rail Steel Track with clamps, ₩ ft.....09
D. H. Fork, Steel Regular, each.....75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1 15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz.....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Floor Hooks, ¾ in ₩ doz.....65
Hanging Hooks for Double Steel Track, ₩ doz.....60
Hanging Hooks for Single Steel Track, ₩ doz.....60
Hanging Hooks for Wood Track, 10 in. ₩ doz.....45
Hanging Hooks for Wood Track, 14 in, ₩ doz.....55
Wrought Rafter Brackets, ₩ doz.....45
Malleable Rafter Brackets, ₩ doz.....45
Rope Hitch ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida Pattern.....75 & 5 @77 & 10%
Newhouse.....40 & 10 @50 & 5%
Hawley & Norton.....70 & 5%
Victor.....70 & 10 & 5%
All Steel.....75%
Star.....50 & 10%
Blake's Patent.....50 & 10 @70%

MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 8 @10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire. ₩ doz $1.50, 10%
Mouse, Cage, Wire..₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza....₩ doz 90c @$1.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₩ doz. 65c.; in full cases.....60c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross. $12.50
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat.....₩ gross $15.00
Household.....₩ gr $10.00
Erie Rat.....50%

FLY—
Balloon, ₩ doz $1.5[illegible].....₩ gr. $13 50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..25 @25 & 10%
Peace's Plastering.....2 @2½ & 5%
W. & McP. Plastering.....25%
Richardson.....25%
Rose's Brick.....15 @20%
Brade's Brick.....25 @33⅓%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
Solid Box.....50 & 10 @50%

PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20 @10%
Holland's.....40 @40 & 10%
Parker's.....20 @25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Massey's Quick Action.....20 @ 2 5%
Bonney's.....5 @50 & 10%
Millers Falls.....40 @40 & 10%
Trenton.....40 & 5 @40 & 10%
Merrill's.....15 @20%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....35 & 10 & 5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40 & 10%
Stearn's.....40%
Stearn's Silent Saw Vises....20 & 10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.5 @$12.00
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving, 4½ ft., $ 8.00; 5 ft., $9.00; 5½ ft., $.2 00; 6 ft., $34.00; 6½ ft., $27. 0; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
Eureka, Two-thirds Whalebone, 4½ ft., $15.00; 6 ft., $ 6.50; 6½ ft., $18 00; 7 ft., $2 .00.
Bull Bone, Half-length Whalebone, 4½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft., $.0.5; 6½ ft., $12.00; 7 ft., $ 3.5 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $[illegible]0; 5 ft., $5.00; 5½ ft., $5.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors.....5 ft., $6.00
Americus, 25 Pen Whip, 6 ft., $4.00
Gents' Light Driving, No. 111, 6 ft.....$3.00
Gents' Light Driving, No. 116 6 ft.....$5.00
Hand-Made Stocked Java, No. 103.....5½ ft., $3.75; 6 ft., $4.00
Team Whips....₩ doz $2 0 @$7 5
Hardware Assortment 10 American, 75 Whips for.....$50.00

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25 & 10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90 & 10 @90 & 10%
Market:
Brt. & Ann., Nos. 0 to 18, 75 & 10 @ 80%
Cop'd, Nos. 0 to 18, 70 & @7[illegible] & 10 & 5%
Galv., Nos. 0 to 18..... 70 & 10 @75%
Tin'd, Tinned list Nos. 0 to 18...75 & 5 @75 & 10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb.....4¾c
Galvanized Fence.....75 & 10%
Malin's Annealed and Tinned on Spools.....60 & 5%
Malin's Brass and Copper on Spools.....50 & 5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass.....50 @30 & 5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 13 to 30, ₩ lb.....6 @70c
Tate's Wire Picture Cord Braided and Twisted.....8 @10 & 10%
Picture Wire.....New list 85 & 10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft., $1.3 @$1.40
Galvanized Wire Netting....80 & 10 @8 & 2½%
Brass Cloth.....40 @55%
Steel Bolting Wire Cloth.....30 @55

Wire Rope—
List.
Iron.....20 & 2½%
Iron, Galvanized.....20 & 2½%
Cast-steel.....20 & 2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....60 @60 & 5%
Nickel.....40 & 5 @50%
Heavy.....50%
Alligator.....60 & 10%
Hercules.....70%
American Adjustable.....40 @40 & 10%
Armstrong's.....40%
Baxter's Adjustable "S".....70 @70 & 10%
Baxter's Diagonal.....60 @60 & 10%
Coes' Genuine.....50 & @50 & 10%
Coes' "Mechanics'".....50 & 10 & 5 @60%
Girard Standard.....65 & 10 @70%
Lamson & Sessions' Engineers' 10%
Lamson & Sessions' Standard 70 & 10%
Coes' Pattern Wrought.....80 & 5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50 & 10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black.40 & 10%
Patent Combination Bright.40 & 5%
Brigg's Pattern.....30 & 10%
Cylinder Gas Pipe.....45 & 5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $2 5 @2.60 60%
Boardman's.....33⅓%
Always Ready.....33⅓ & 10 @40 & 5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%

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Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓&
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes-

In lots of less than one d zen. Cash.
Am. Wringer Co.'s list, July 189 , 2%
Colby Wringer Co , list May 1, 1894, 2%
Lovell Mfg. Co., list July 2, 1894...2
Peerless Mfg. Co , list Feb., 1892. .2%
Nati nal Wringer & Mfg. Co , list Jan. 1, 1895 ..... 2%
NOTE.—On lots of 1 dozen a discount of 10 is ofte i given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in bbls. ℔ gal. 42c
Linseed City, Boiled, " ℔ gal. 45c
Out of Town on Spot.....℔ gal. 40c
Calcutta, Raw, in bbls....℔ gal. 47c
Lard, Prime City.....℔ gal. 50@51
Western, Prime..... .....50@51
Ext a, No. 1.....40@43
No. 1.....37@39
No. 2.....33@35

Paints and Colors—

Barytes, Prime White. ℔ ton, $14.00@$17.00
Barytes, Foreign Floated. ℔ ton, $15.00@$18.00
Barytes, Domestic Floated, ℔ ton $2?.00@$2.3,00
Barytes, Off Color, ℔ ton, $10.00@$13.00
White Lead, American, Dry. ℔ lb 4¼@ ¾c
White Lead, American, in Oil, ℔ lb.....5½@6¼c
White Lead, English, in Oil, ℔ lb 5½@6¼c
Litharge, American Powdered, ℔ lb..... 4¾@5¼c
Litharge, English Flake, ℔ lb 7¼@8 c
Litharge, Glassmakers', ℔ lb 4¾@5¼c
Zinc, American, Extra Dry, ℔ lb 3¾@4½c

Putty—

Putty in Bulk.....$1.45@$1.7g
Putty in Bladders.....$1.65@$2.00
Putty in Tins.....$2.00@$2.50

Spirits Turpentine—

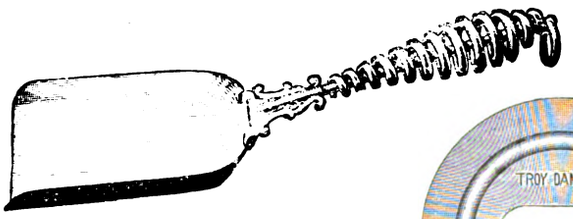
Spirits Turpentine, ℔ gal..28@28½c

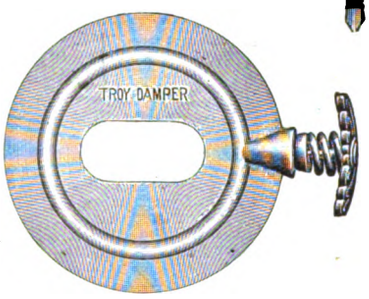
Dry Colors

Blue, Chinese .....℔ lb 35 @40 c
Blue Prussian.....℔ lb 30 @35 c
Blue, Ultramarine..℔ lb 7 @25 c
Brown, Sienna, American, burnt ..℔ lb 1¼@ 1½c
Brown, Sienna, American, raw .....℔ lb 1¼@ 1½c
Brown, Umber, American burnt.....℔ lb 1¼@ 1½c
Brown, Umber, American, raw .....℔ lb 1¼@ 1½c
Brown, Vandyke, German .....℔ lb 2¾@ 5¾c
Brown, Vandyke, American.....℔ lb 1¾@ 2½c
Green, Chrom , Common.....℔ lb 5 @ 6 c
Green, Paris .....℔ lb 20 @25 c
Indian Red, Staadard, American....℔ lb 2 @ 3 c
Venetian Red, English Prime..... ...℔ lb $1.75@$1.91
Yellrw, Chrome.....℔ lb 16 @25 c
Yellow, Ocher, Fre'ch ℔ lb 1 @ 1¾c

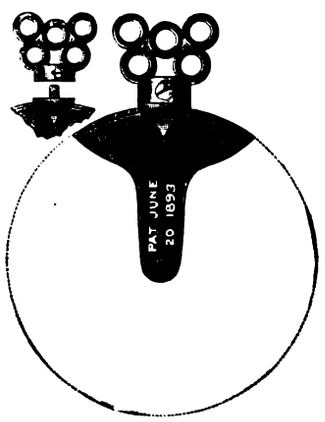
Colors in Oil—

Black Coach Japan ℔ lb..18½@30 c
Black Coach Japan in Oil.....℔ lb 12 @13 c
Black Drop .....℔ lb 7½@10 c
Black Lampblack, prime, ℔ lb 27 @33 c
Black Lampblack, medium..... ....℔ lb 15 @20 c
Black Lampblack, 2d quality..... ....℔ lb 13 @19
Black, Lampblack, low grade ....℔ lb 6½@10 c
Blue, Chinese .....℔ lb 35 @40 c
Blue, Prussian .....℔ lb 20 @40 c
Blue, Ultramarine..℔ lb 12 @1 c
Brown, Sienna bur't ℔ lb 7 @10 c
Brown, Sienna, raw.℔ lb 7 @10 c
Brown, Umber, bur't℔ lb 7 @10 c
Brown, Umber raw .℔ lb 7 @10 c
Brown, Vandyke....℔ lb 7 @11 c
Green, Chrome.....℔ lb 8 @14 c
Green, Paris..... .....℔ lb 16 @1?½c
Red, Indian.....℔ lb 12 @15 c
Red, Venetian.....℔ lb 4½@ 8 c
Yellow, Chrome.....℔ lb 13 @18 c
Yellow, Ocher, Fre'ch ℔ lb 4½ c

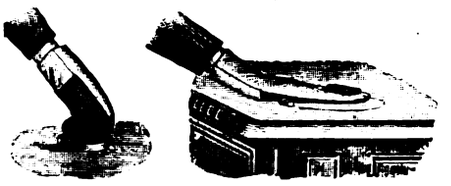

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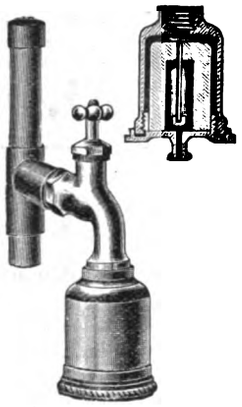
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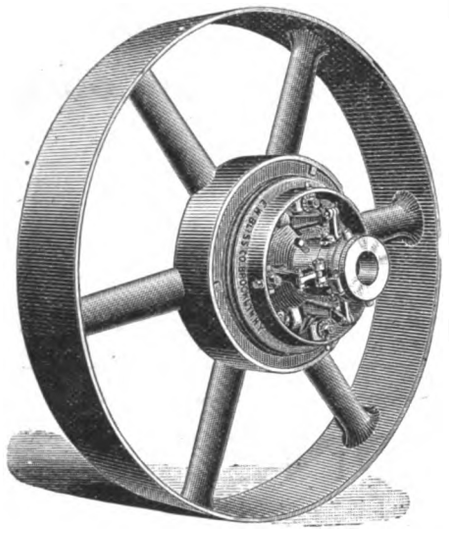
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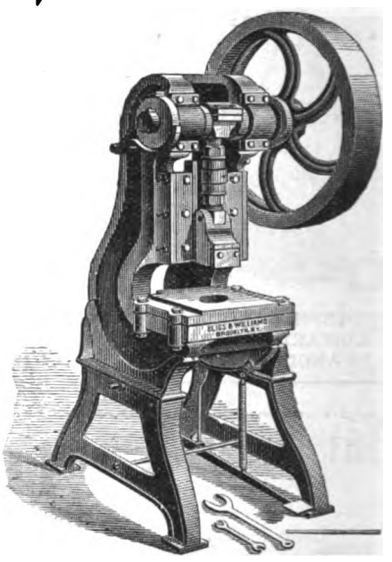
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Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mica Goods.
Geo. T. Moe & Co., Philadelphia.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

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Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
C. Hanika & Sons, Muncie, Ind.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

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Samuel I. Goodall Co., Philadelphia.
Tower & Lyon, New York.

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Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Leavett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.

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Tower & Lyon, New York.

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John H. Graham & Co., New York.

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Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co, New York and Chicago
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Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

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Scranton & Co, New Haven, Conn.

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Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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C. Hanika & Sons, Muncie, Ind.
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P. J. Conroy & Co., Philadelphia.

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Brandenburg & Co., Chicago.
Root Bros. Co., Plymouth, O.

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Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.
William N. Merriam, Boston.

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Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

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Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

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Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd, New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

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Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia.

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Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

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Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

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Gardner Sash Balance Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

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Samson Cordage Works, Boston.
Bruce R. Ware & Co., Boston.

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Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

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Henry Disston & Sons, Philadelphia.
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John Chatillon & Sons, New York

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Gwinner Mfg. Co., Hamilton, O.

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Charles Morrill, New York.

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John Chatillon & Sons, New York.
Gilfillan Scale Co., Chicago.
Reading Hardware Co., Reading, Pa.

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Diamond Cutlery Co., New York.

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Harrington & King Perforating Co., Chicago.

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Harrington & King Perforating Co., Chicago.

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Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
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Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.

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J. Wiss & Sons, Newark, N. J.

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Klages & Co., New York.
Stanley Works, New Britain, Conn., and New York.

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Wyoming Shovel Works, Wyoming, Pa.

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Diamond Cutlery Co., New York.
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Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleigh Bells.
Chapman Mfg. Co., Meriden, Ct.

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Sootene.
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Bruce & Cook, New York.

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Pope Mfg. Co., Boston.

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New York Belting & Packing Co., New York.
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T. F. Welch & Co., Boston.

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J. Bardsley, New York.
Van Wagoner & Williams Hardware Co., New York.

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Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
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Bicycle Step Ladder Co., Chicago.
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Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.
Oster Mfg. Co., Cleveland, O.

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Geauga Fdy. & Mfg. Co., Painesville, O.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
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Pike Mfg. Co., Pike Station, N. H.

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Cleveland Block Co., Cleveland, O.
Union Hardware Co., Torrington Conn

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Bruce & Cook, New York.

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Gwinner Mfg. Co., Hamilton, O.
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Bruce R. Ware & Co., Boston

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Edward Smith & Co., New York.

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E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
C. Hanika & Sons, Muncie, Ind.

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Tower & Lyon, New York.

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Lane Brothers, Poughkeepsie, N.Y
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Klages & Co., New York.

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Champion Washing Machine Co., Cincinnati, Ohio.

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Kilbourne & Jacobs Mfg. Co., Columbus, O.
Toledo Wheelbarrow Works, Toledo, O.

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American Wick, New York.

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J. D. Johnston, Newport, [illegible].

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Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

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Samson Cordage Works, Boston.

Window Screens.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
John H. Graham & Co., New York.
A. J. Phillips Co., Fenton, Mich.

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E. A. Worthen, Burlington, Vt.

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Bruce & Cook, New York.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton, Mass.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

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Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
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M. D. Jones & Co., Boston.
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T. F. Welch & Co., Boston.
Wright & Colton Wire Cloth Co., Worcester, Mass.

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E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Lathing.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

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Bruce & Cook, New York.

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Edward Darby & Sons, Philadelphia.
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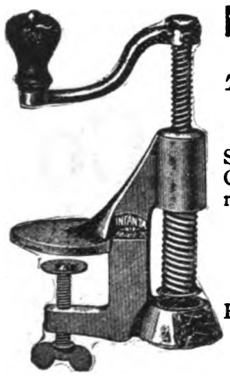
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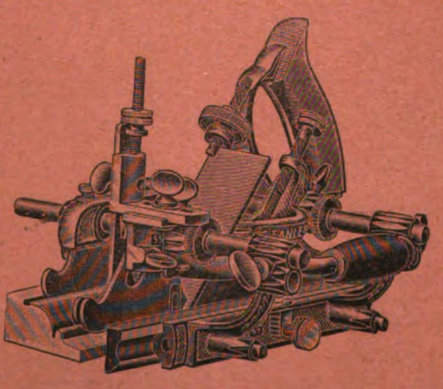
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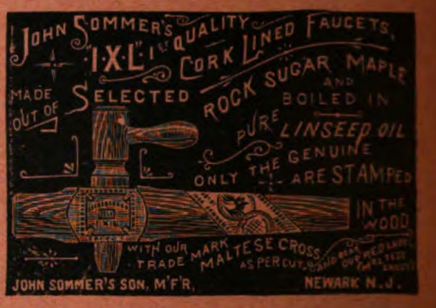
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HARDWARE

HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. XII. No. 8 — New York, January 25, 1896. — $1.00 A YEAR



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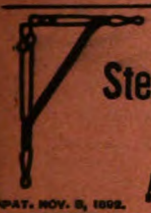
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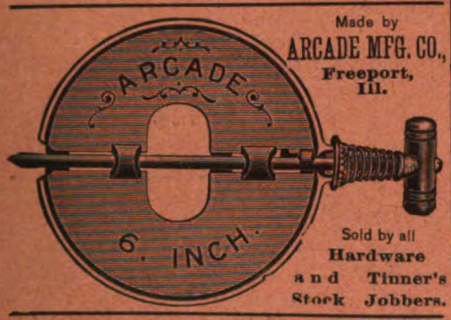
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Wire Straightened and Cut to length.



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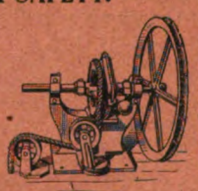
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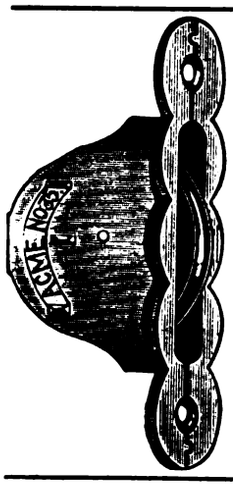
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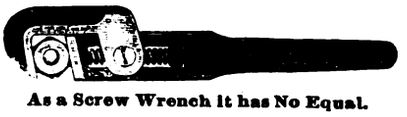
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Quality Unsurpassed, Prices O. K.

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Everything in MECHANICAL RUBBER GOODS.

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James Bennett Forsyth, M'f'g Ag't & Gen. Man.

256, 258, 260 Devonshire St., Boston. 100 Chambers St., New York.

SELLING AGENTS:

T. K. Carey & Bros. Co., Baltimore, Md. Chicago Belting Co., New Orleans, La. Simmons Hdwe. Co., St. Louis, Mo. W. Bingham Co., Cleveland, O.
W. H. Salisbury & Co., Chicago, Ill. Queen City Supply Co., Cincinnati, O. James Boyd & Bro., Philadelphia, Pa. Towner & Co., Memphis, Tenn.
A. H. Gardner Co., Milwaukee, Wis. Crane Co., San Francisco, Cal.

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HERE 'TIS!





WE know you have been looking for it but haven't had time to tell you about it before.

Large tubing.
Interchangeable parts.
Graceful curves.
Handle bars adjustable.
Transparent chain guard.

A N D

Sprockets detachable.
Tubular hubs.
Re-inforced properly.
Outline superb.
Narrow tread.
Green Rims.

ECLIPSE BICYCLE CO., Elmira, N. Y.

BRANCHES:

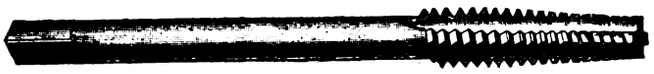
NEW YORK. BOSTON. PHILADELPHIA. INDIANAPOLIS.



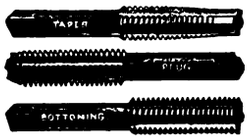
New York Cycle Show spaces, 6 & 7.
Chicago Cycle Show spaces, 215 & 216.



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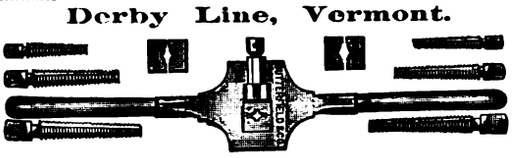
Butterfield & Co.,

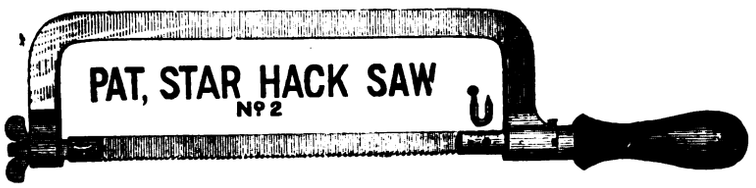


Taps & Dies.



Derby Line, Vermont.



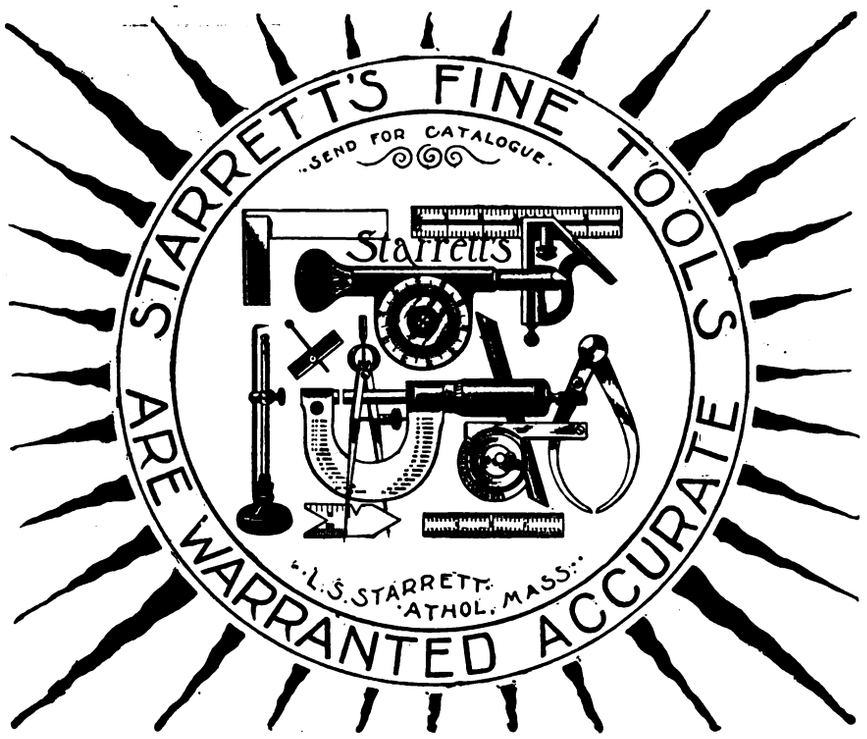


OUR STAR HACK SAWS

Are used in nearly all of the Iron Working Shops in this country and Europe. Now we wish to introduce them to the Farmers and Householders generally. They will cut Iron, Steel, and Wood equally well. One blade which costs five cents, will cut off an inch-square bar of iron 100 times without filing. They will do most of the work of a file at one-tenth of the cost. All of our best blades are rounded at the ends and stamped with a star.

As a sample, we will send one Steel Frame and Six Blades by mail, prepaid, on receipt of $1.00. Or they can be had of all the best Hardware Dealers, who usually keep a good line of our high-class tools.

MILLERS FALLS CO., - 93 READE ST., NEW YORK.





WIRE & IRON WORK.

FENCING, CRESTING
STABLE FIXTURES,
WINDOW GUARDS,
WIRE SIGNS,
WEATHER
VANES
JAIL CELLS.



DO YOU CARRY A STOCK OF IRON FENCING

FLOWER POT STANDS?

SEND FOR CATALOGUE.



CRESTING.

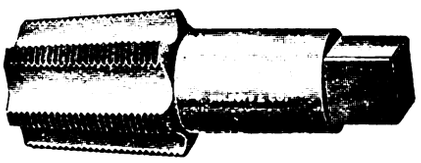


FLOWER POT STAND

E. T. BARNUM

DETROIT, MICH.

Hardware Dealers Send us your address and we will mail Catalogue and discount sheet of **STOCKS & DIES, TAPS, etc.**



Holroyd & Co.,

Waterford, N. Y.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

-:-PERCUSSION CAPS OF ALL KINDS.-:-

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION



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There are Two Classes of Rubber Belting, Packing and Hose:

MALTESE CROSS BRAND

AND OTHERS.

We are the Sole Makers of the MALTESE CROSS GOODS, but we make others too, and all at prices that you will find attractive.

THE GUTTA PERCHA AND RUBBER MFG. CO.,

ESTABLISHED 1855,

Mechanical Rubber Goods of Every Kind,

35 WARREN STREET, - - NEW YORK.

BRANCHES: CHICAGO. BOSTON. SAN FRANCISCO. PORTLAND, ORE.

FAMILY GRINDSTONES.

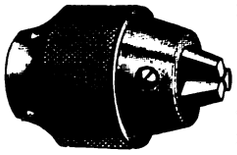
Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,

Cleveland, O.

SKINNER PATENT CHUCKS.



Lathe Chucks,
Drill Chucks,
Paper Chucks,
Face-Plate Jaws
Cat. free on application.

THE SKINNER CHUCK CO.
New Britain, Conn., U. S. A.
No. 94 Reade st., New York.

TIME

WILL

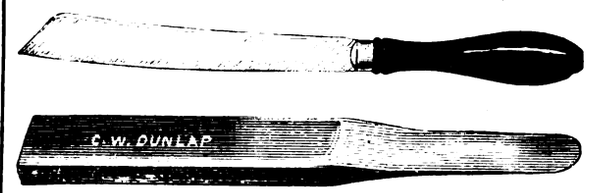
TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

Dunlap's Superior Kitchen Hardware.



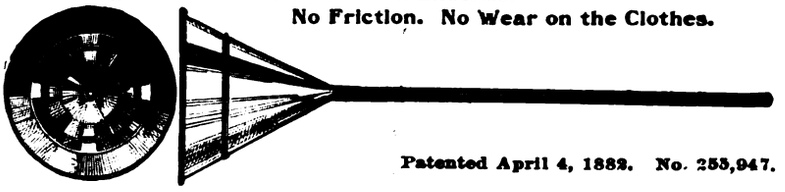


Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St., New York.

The Compressed Air Washer at the Head.

It is Light and Portable. Lasts a Lifetime.
No Friction. No Wear on the Clothes.

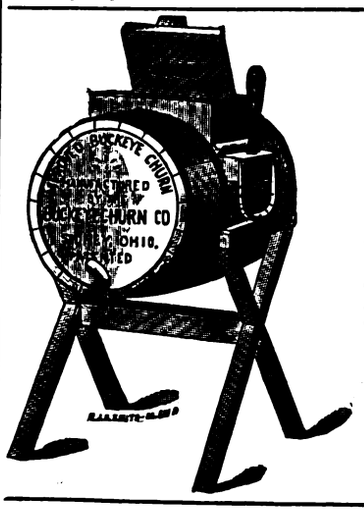


Patented April 4, 1882. No. 255,947.

We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric. The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.

Retail Price, $2.50. Send for Circulars and Prices

Manufactured only by E. M. HEATHMAN & CO., HAMILTON, O. U. S. A.



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

Buckeye Churn Co.,

Sidney, Ohio.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of WIRE in great variety.

NEW HAVEN, CONN.

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KNIFE BAGS AND CASES
RAZOR CASES.

WE seldom get an order from a Hardware Dealer but what it includes from 3 to 12 dozen of the goods below.

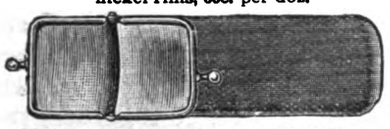
All are made of **Maroon Kid**, strongly sewed.

KNIFE BAGS and CASES

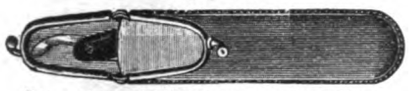
In Sizes of 3¼, 4 and 4½ inches.



Knife Bag, same as Knife Case, but without nickel rims, 60c. per doz.



Knife Case, Nickel Rims and Ball Clasp, 60c. per doz.



Razor Case, Nickel Rims and Ball Clasp, $1.00 per doz.

SCISSOR CASES ALSO.

Send for our 84 page book for Hardware Dealers.

R. H. INGERSOLL & BRO.
65 Cortlandt St., New York.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McFarlin

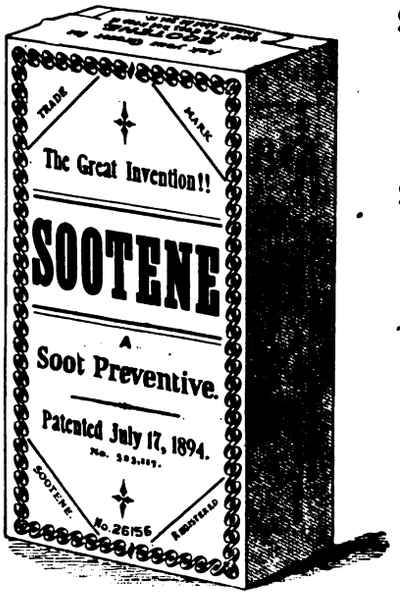
THE
NATIONAL SAW CO.

GENERAL OFFICE.... NEWARK, N. J.

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

Send for Descriptive Lists



SOOTENE

Will keep your Chimney Pipes and Flues free from Soot and create a perfect draught, thereby making it a household necessity.

SOOTENE

Is an article worth the Dealer's attention and will pay them well to keep in stock. Address

THE SOOTENE CO.,
80 Broad St, N. Y. City.

GENERAL SALES AGENTS FOR
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AND EXPORT.

Patentee and Manufacturer,
R. GIVENS,
Corpus Christi, Tex.

Rhode Island Perkins Horse Shoe Co., Manufacturers of HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

F. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.



Prentiss Calendar Clocks.

PERFECT and RELIABLE.

No Office, Store or House complete without one.

Special Prices.

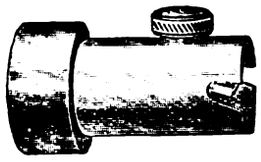
Made in Oak, Antique Oak, Walnut, Mahogany.

With 8, 30, 60 and 90-day Clock Movements.

Prentiss Calendar Co.
49 Dey St., New York City.



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Write for Circulars.

THE most durable, most practical and most satisfactory **NOZZLE** yet invented.
A simple, straight, open tube. . . . . .

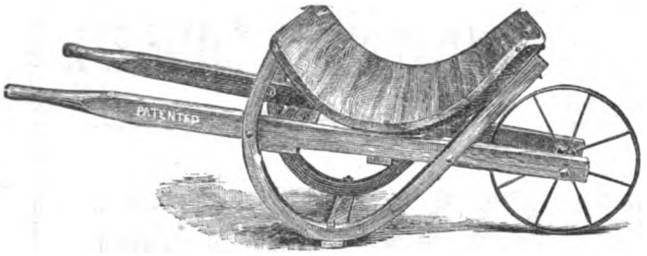
No Valve, No Ball, No NOISE.

Will spray from finest mist to coarsest rain, or throw solid stream.

Manufactured by the

H. F. Neumeyer Mfg. Co.,

Macungie, Pa., U. S. A.



Wheelbarrows

of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

SPLENDID Drill



For light work in any machine shop.

Just the Tool

For blacksmith shops, repair shops and carriage and wagon shops of all kinds. . . . .

Has
Cut Gears,
Lever Feed,
19-inch Swing,
Weight 350 lbs.

Ask for New Circular which shows complete line of **Hand Drills.**

The Silver Mfg. Co.

SALEM, OHIO.

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

The Ball Nozzle for '96.

Prices Reduced for 1896.



No. 6 Lawn Sprinkler.
BALL NOZZLE for '96.

For LOW PRESSURE,
(Works under Five Pounds Pressure.)
HIGH PRESSURE,
ANY PRESSURE,

The Acme of Perfection of
LAWN SPRINKLERS.

Manufactured solely by the **American Ball Nozzle Company,**

Write for Prices

837-847 Broadway, New York.

BRANCH HOUSES:
421 Market St., San Francisco. 519 Marquette Building, Chicago.

SEND FOR CATALOGUE.



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Do You Desire

an article that every family would buy if they simply had their attention called to its merits? If you do, put in a stock of P & A's Banner Oil Stoves. See Cut.



No. 971, Heater Complete. Height, 27 inches.

Banner Oil Heater

SIMPLE, NOVEL and PRACTICAL.

Requires less care than the ordinary Lamp.

Will burn 8 to 10 hours and heat comfortably a room 15 to 20 feet square.

NO SMOKE! NO ODOR!
PERFECT COMBUSTION.

POINTS:

The Oil Fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking.

No Chimney. The drum of the **BANNER** in its construction acts as a chimney, saving the expense incident to the renewal of glass chimneys of other makes.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and ONLY ONE with feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness.

Lighting. It is not necessary to remove any part of the stove to light it. The sliding door in the drum is made for this purpose.

Draft. The round openings in the drum create great suction of cold air in addition to the regular draft. Double the radiating force of the ordinary stove is thus secured.

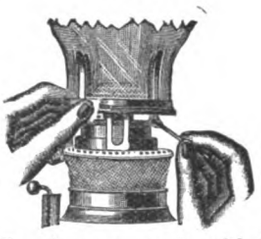
Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

*** SOLE MAKERS, ***

THE PLUME & ATWOOD MFG. CO.,

29 MURRAY ST., NEW YORK, U. S. A. 199 LAKE ST. CHICAGO.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*
Gas and Electric Light Fixtures,
Fenders, Andirons, Fire Sets, Etc.
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

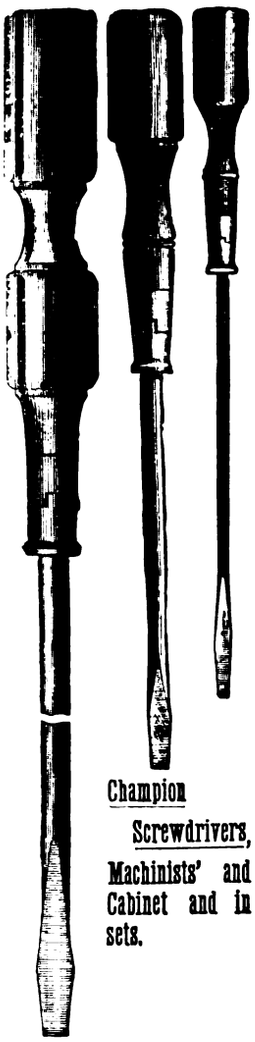
NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

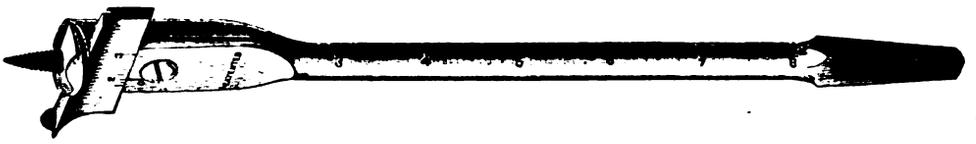


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Carpenters and Machinists' Tools.

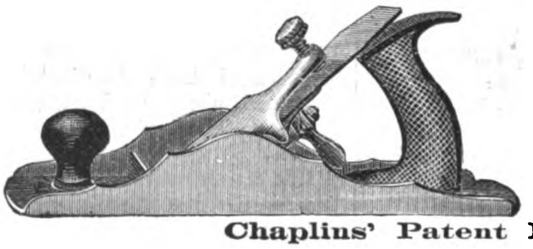


Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





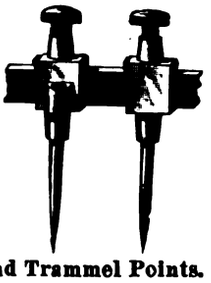
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.





Plumb Bobs and Trammel Points.

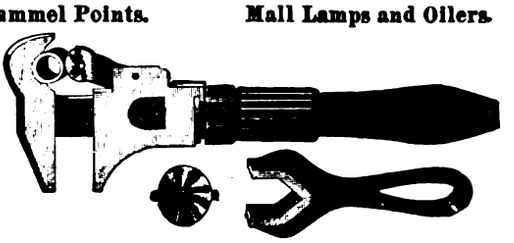




Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.

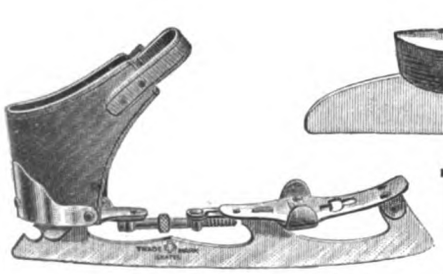


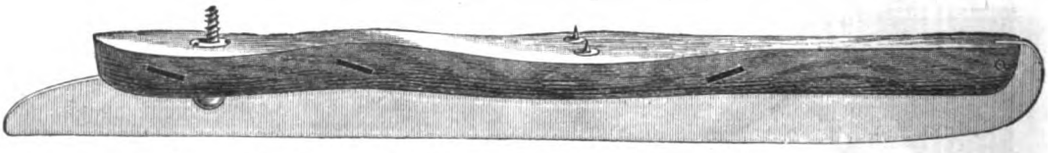
UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.

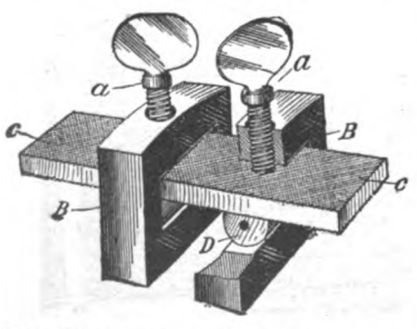




The Union Skate Sharpener

A New and Useful Article

Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

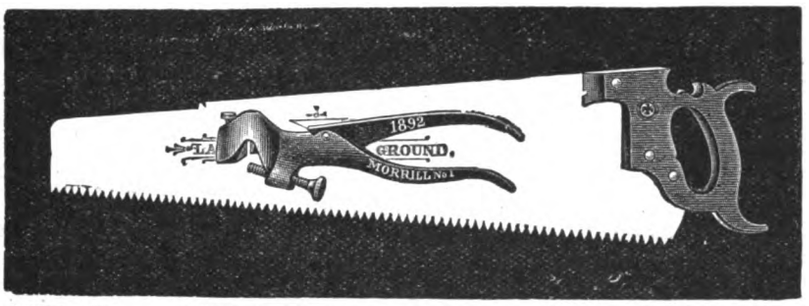
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, CANC, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - - SHALL WE SEND YOU ONE?

WE FURNISH COMPLETE OUTFITS,

THE HANSON & VAN WINKLE CO.,

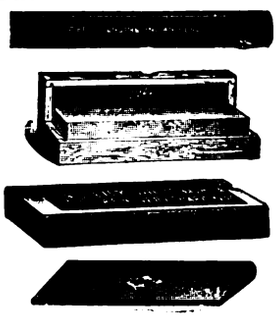
CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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F. KLAGES & CO., 107 Chambers Street, 91 Reade Street, New York City.

SOLE AGENTS FOR U. S. AND CANADA FOR THE



Buchanan Brass Hardware Co., Limited,

Manufacturers of BRASS and BRONZE HARDWARE.

Door Pulls,
Shutter Bars,
Drawer Pulls,
Corner Plates,
Hook Sash Lifts,
Mirror Plates,
Flush Sash Lifts,
Plate Escutcheons,
Cabinet Escutcheons,
Fire Screen Hinges.

Moulding Hooks,
Fancy Box Hinges,
Refrigerator Hinges,
Fancy Cabinet Hinges,
Box and Chest Corners,
Brass and Zinc Washers,
Floor and Ceiling Plates,
Water Closet Seat Hinges.

SEND FOR CATALOGUE.

S Hooks,
Hinge Plates,
Stair Corners,
Stair Buttons,
Loose Pin Butts,
Strap Hinges,
Door Numbers,
Shelf Brackets,
Padlock Hasps,
Mending Straps.



Every Machine Guaranteed to Give Satisfaction.



The BOSS and ELI...
WASHERS.

BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., Cincinnati, O.



The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

[illegible] Massey & Co., 80 John St., agts. for N.Y. City and vicinity

Your Christmas Stock

Is Not Complete Without the



Cream City Flour Bin and Sifter.

Made of Heavy TIN.
Handsomely Ornamented.
All Salient Features Patented.

The best combined receptacle, sifter, mixer, aerator and preserver of Flour in the world.

Keeps Flour sweet and clean, sifts it out as wanted and never wastes a speck.

The only Bin made with detachable shield over the sifter. It keeps the pressure off the reels, ensures ease of operation and prevents grinding through of impurities. Three sizes, 25, 50, 100 pounds. Made only by the

Geuder & Paeschke Mfg. Co.,

Manufacturers of TINWARE, MILWAUKEE, WIS.

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LARGEST FILE AND RASP PRODUCERS IN THE WORLD.

NICHOLSON . .
GREAT WESTERN
X. F. (EXTRA FINE)
AMERICAN . . .

The Standard Brands.

FACTORIES AT
Providence, R. I.
Beaver Falls, Pa.
Pawtucket, R. I.

MAIN OFFICE AND ADDRESS:

NICHOLSON FILE COMPANY

PROVIDENCE, R. I., U. S. A.

OPERATING FOUR DISTINCT PLANTS.

Capacity, Equipment and Quality of Product Unequalled.

CABLE ADDRESS:
"NICHOLSON,"
PROVIDENCE, R. I. U. S. A.

DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our 1895 Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.

We have no fear as to the quality. We have only the best



Sand Papers in Sheets and Rolls
- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

Also FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & CO

760 MARKET STREET, PHILADELPHIA
87 BEEKMAN STREET, NEW YORK
148 MILK STREET, BOSTON
182 LAKE STREET, CHICAGO

CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.
Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS • • SEND FOR CATALOGUE.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

Samuel W. Allerton, Prest.
C. C. Clarke, Sec'y & Treas.
A. Weed, Vice-Prest. & Gen. Manager.

WEED'S IMPROVED CUT
GUARANTEE SEAL
ALL FILES ARE FULLY GUARANTEED
SPECIAL TEMPER

THE ARCADE FILE WORKS.

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

New York. Chicago.

ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 83 Reade St., NEW YORK.

POINTS COUNT.

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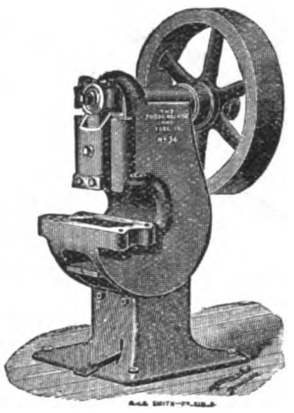
Our Axtell W. Strip has 10 points of superiority **OVER ALL OTHERS.** Only strip **ADVERTISED** in this or any magazine. Has **MERIT.** that's why.

As Pat said when asked if the post he held was plumb, replied, "It is, sor, and more too." Our strip is **tight** and **more too.** $ $ $ $ in it for dealers.

Write for booklet, "Experience."

E. I. CHURCH & CO.,

Box 105. West Hanover, Mass.



The Toledo Machine & Tool Co.,

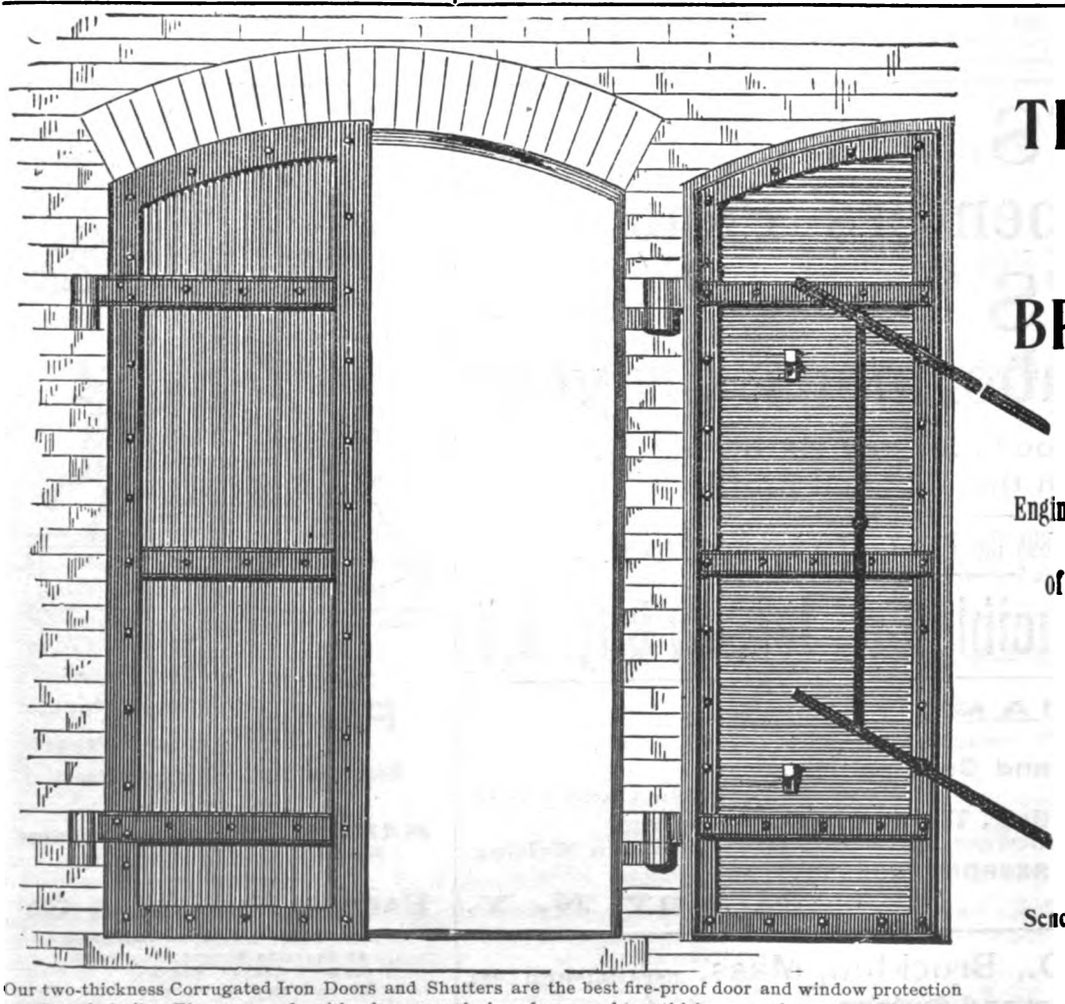
501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.

Write for Catalogue and prices.



Our two-thickness Corrugated Iron Doors and Shutters are the best fire-proof door and window protection there is built. They are made with a heavy angle-iron frame and two thicknesses of corrugated iron, the corrugations running in opposite directions, heavily banded and firmly riveted. For all ordinary exposures they furnish a reliable protection against fire from the outside.

THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders

of Iron and Steel Buildings,

Roofs, Bridges, etc.,

etc.

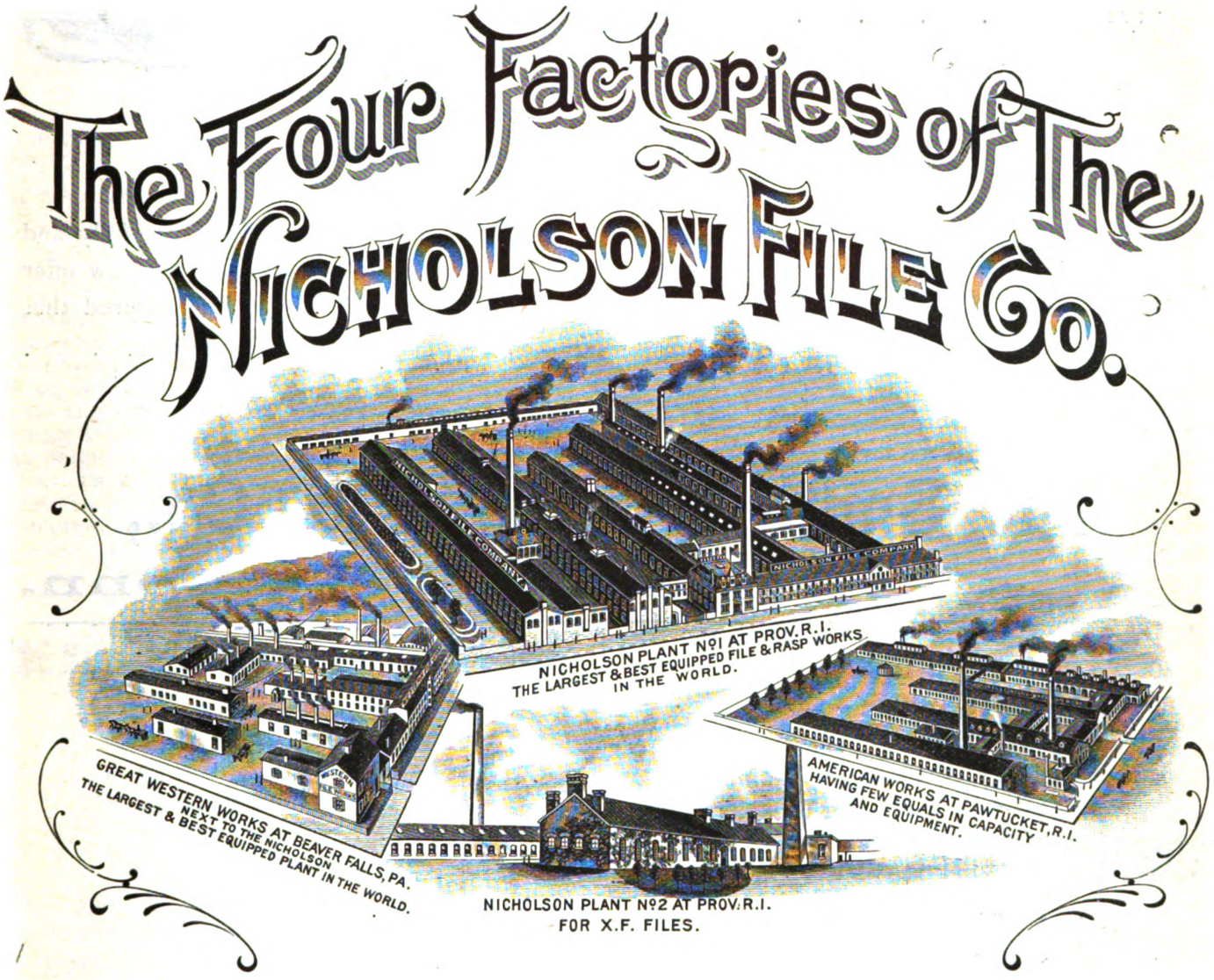
Send for Illustrated Catalogue.

Office and Works, East Berlin, Conn.

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NICHOLSON FILE CO.

Largest File and Rasp Producers in the World.



MAIN OFFICE AND ADDRESS,

CABLE ADDRESS
NICHOLSON
PROVIDENCE, U.S.A.

NICHOLSON FILE CO.
PROVIDENCE. R.I. U.S.A.

A.B.C. CODE.
4th EDITION

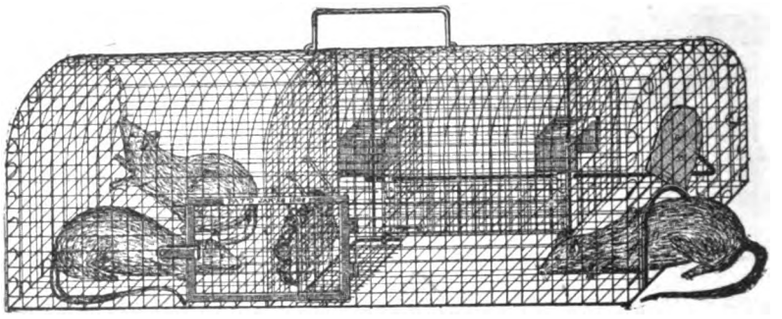
Standard Brands.

"NICHOLSON,"	Product of Plant No.	1,	Providence, R. I.
"X. F." (EXTRA FINE)	" " "	2,	Providence, R. I.
"GREAT WESTERN,"	" " "	3,	Beaver Falls, Pa.
"AMERICAN,"	" " "	4,	Pawtucket R. I.

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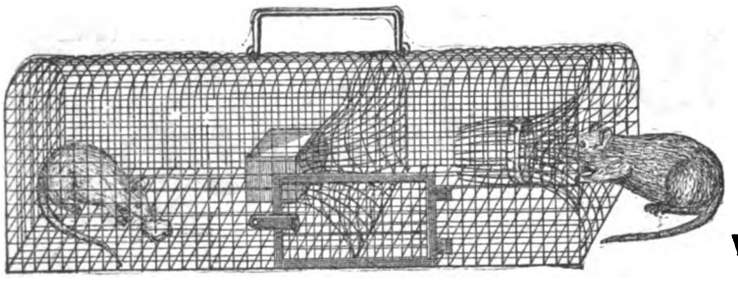
RAT AND MOUSE TRAPS.

THESE Traps are well made, strong, and well adapted for the purpose. Our claim is that they are . . . . .



"SUPERIOR."

"Superior in Every Respect."



"YANKEE."

BOTH Traps have been carefully and repeatedly tested and we now offer them to the Trade feeling assured that they will give entire satisfaction. . . .

Write for prices and circulars to

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

45 BROADWAY, NEW YORK.



The "Toledo"

STEEL HOSE REELS

Will not swell or shrink.
Price is low.
Best and Cheapest Reel on the market.

Quotations on application.

The Toledo Metal Wheel Co.,

Toledo, Ohio.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

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HARDWARE

VOL. XII. JANUARY 25, 1895. NO. 8.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.
DETROIT, - - - - No. 10 PENINSULAR BANK BUILDING.

THE CIRCULATION OF "HARDWARE" IS
LARGER THAN THAT OF ANY OTHER
PAPER IN THE UNITED STATES
DEVOTED TO THE HARDWARE TRADE.

ILLUSTRATED BICYCLE NOVELTIES..... 82
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WE GUARANTEE THAT THE CIRCULATION OF
"HARDWARE" DURING 1896 WILL EXCEED

ONE HUNDRED AND TWENTY THOUSAND

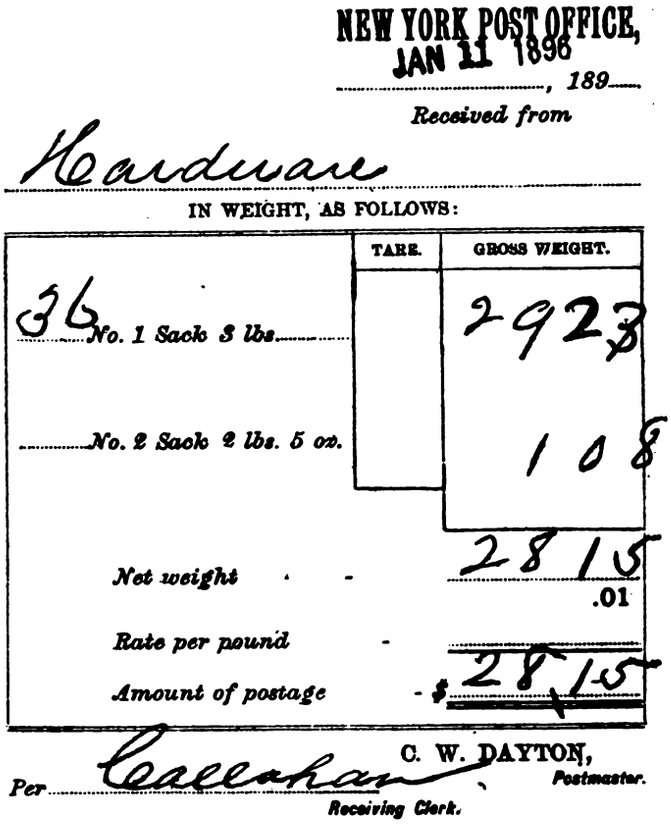
AND THE SAME WILL BE PROVEN BY THE
PUBLICATION ON THIS PAGE, IN EACH ISSUE,
OF THE POST OFFICE RECEIPTS FOR COPIES
MAILED THE PRECEDING ISSUE.

It Equals the Horse Show.

The Horse Show has found its competitor in the popular esteem and affection of the people. The bicycle has used its modern pneumatic tire with such good effect, that it has glided, silently but surely into the very front rank of popular attractions. The great Bicycle Show which has occupied the attention of the public in Madison Square Garden during the week past, has proven itself in possession of all those elements of popularity through which the Horse Show appeals to the interest and curiosity of the public. It is safe to say that no more remarkable exhibit in the mechanical line has ever been made in the world, in view of the fact that the bicycle has, as a matter of practical transportation, occupied the attention of the public for less than a half dozen years. The crowds which filled the Garden every afternoon and evening equaled those attracted to the Horse Show, comprising the intelligence, the social characteristics, and the wealth, which find admission to the other great exposition. The managers of this Bicycle Show should certainly be satisfied with this great exhibit of 1896, and find in the results of this year an incentive to make this Show a permanent feature.

5651 "Hardware's" in One Issue.

The following exact duplicate of a receipt from the New York post-office, carries its own moral:


NEW YORK POST OFFICE,
JAN 11 1896
....., 189....
Received from
Hardware
IN WEIGHT, AS FOLLOWS:

	TARE.	GROSS WEIGHT.
36 No. 1 Sack 3 lbs.		2923
No. 2 Sack 2 lbs. 5 oz.		108
Net weight		2815
Rate per pound		.01
Amount of postage		$28.15

Per Callahan
C. W. DAYTON, Postmaster.
Receiving Clerk.

This means that there were mailed 2815 pounds of *Hardwares* of our January 10th issue; and the following calculation completes the story:

2815 × 16—45,040
45,040 ÷ 9.1—4949
4949 + 702—5651

In other words, 2815 pounds equal 45,040 ounces. Each *Hardware* weighed 9 1-10 ounces; which makes a total of 4949 copies. Add to these 702 copies held for office use; sent out in this city by carrier, or prepaid by postage stamps; and we have a total of 5651 copies published on January 10th. Add to this the fact that this is but *one* of our *two* issues for January, and the advertiser gains exact knowledge as to the value of *Hardware* as an advertising medium.

Post-office receipts cannot be juggled with. Figures do not lie. Nothing in the above is left to the faith of the advertiser or to the picturesque imagination of the publisher.

Publicity's Potent Power.

"Weigh, measure or gauge everything you buy" is an axiom the value of which every successful manufacturer learns early in his career.

This applies with great force to a matter in which all

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manufacturers are specially interested. In these closing years of the nineteenth century, when advertising is recognized by all as a matter of absolute necessity, it behooves the prudent business man to *know* what measure of value he is receiving in return for his hard-earned dollars. In other words, the publication which withholds its circulation from those who support it, or, worse yet, makes false statements concerning the same, or gives no other proof than the statement of the publisher, is liable to be charged with obtaining money under false pretenses, as much so as would the grocer who sands his sugar or the milk dealer who pours water into his milk.

As was announced some time since, *Hardware* has determined that none of its advertising patrons need for a moment doubt the exact value they are receiving in the way of circulation for the money which they are expending in *Hardware*. As is shown in the above, we have decided to publish in each issue a photographic reproduction of our post-office receipts for the preceding issue, which shows by a simple calculation that any child can work out, the exact circulation of *Hardware* for the issue named. We further guarantee that the circulation of *Hardware* for the year 1896 shall not fall less than 120,000 copies, which anyone acquainted with trade journals knows is very much above the average mark. In addition to this, we desire to say that our circulation goes into the hands of Hardwaremen and house-furnishing goods dealers in all parts of the country, and that anyone who wishes to reach that trade can best do so through these columns.

We repeat the advice with which the above opens: Weigh, measure or gauge everything you buy—especially in the line of advertising.

The Hardware Dinner.

This is the season of Hardware dinners, and reference to a number of gatherings of this character may be found elsewhere in these pages, especially an extended report of the annual dinner of the Philadelphia Hardwaremen, held on Thursday evening of this week. It is not necessary to apologize for the attention paid to these gatherings on the part of *Hardware*, as they form one of the most interesting and valuable features in connection with the cultivation of better business methods and fraternal relations in the trade. The arrangements for the great annual dinner of the New York Hardware Club are being pushed with intelligent energy. Responses so far have been such as to guarantee a certain success, and Mr. Clinch, the chairman of the committee, suggests that those who intend to be present, and have not yet made application for tickets, should put in their claims at the earliest possible moment, as there is a great likelihood that those who delay will be unable to secure seats. The prospects are good for the most successful and best dinner yet held by the trade of this city. Applications should be made to Mr. Clinch, either at No. 94 Chambers Street, New York, or at the Hardware Club.

Among the speakers already announced are Rev. M. W. Stryker, president of Hamilton College, and James H. Hoyt, Esq., of Cleveland.

On January 18th, the Clauss Shear Co., No. 100 Chambers Street, New York, removed to No. 119 Duane Street and No. 34 Thomas Street, where they will be pleased to receive their friends at all times.

Death of George Barnett.

George Barnett, known everywhere to the Hardware trade as the president of the G. & H. Barnett Co., Philadelphia, makers of the Black Diamond file, died at his residence in Germantown, Philadelphia, on January 7th. His illness had extended over a long period, but until November last he was able to attend to the details of business. Mr. Barnett was born in Nottingham, England, on January 16, 1833, and came to America and settled in Philadelphia at the age of fifteen. One year later he was apprenticed to J. Barton Smith, of Philadelphia, where he learned his trade as a file maker. He was foreman of the shop when nineteen years of age, which position he held until 1863, when he removed to Pittsburg, and in company with his brothers, William and Henry, commenced the manufacture of saws and files, under the name of Barnett Bros. They soon removed to Philadelphia, where George and Henry Barnett commenced the manufacture of files exclusively, under the name which the business has since borne. It increased in size, until at present the works for the manufacture of the Black Diamond file contain three and a half acres of floor space, in which 500 and more hands are employed. At the time of his death Mr. Barnett was president of the company, which had been incorporated in 1895. Mr. Barnett was connected with various interests in Philadelphia, and not only enjoyed the reputation of being a manufacturer of first-class files, but as combining in himself all of those elements of energy, industry and thoroughness which made him a model business man. He leaves a widow and three daughters, one of whom is the wife of Henry W. Scattergood, the secretary of the G. & H. Barnett Co. The deceased was interred in the South Laurel Hill Cemetery, Philadelphia, on January 10th.

Wilson Bros.' Line.

Wilson Bros., Nos. 14 and 15 Tremont Row, Boston, have been long and favorably known as jewelers, and they now come to the front with a number of bicycle accessories which attract no small degree of attention. They are selling agents for the cyclometers made by the American Clock Co., for the Rogers Bicycle Saddle and for Wilson's Rapid Transit Bicycles. The American Cyclometer is a well-known article, and has heretofore been described in these columns. The Rogers Bicycle Saddle is so arranged in two parts that it yields automatically to the movements of the body, and is described as economizing force and increasing comfort, speed and health. They have prepared a circular containing anatomical charts, and opinions from physicians and others in regard to the characteristics of this saddle, and will be pleased to send the same on application. They say that the Rogers will fit any saddle post, and samples of the same will be sent by mail when requested. They will be pleased to furnish information as to prices, details, etc., on application, in regard not only to the saddle, but the other lines of goods handled by them.

New York Hardware Club.

The following gentlemen were unanimously elected members of the New York Hardware Club. at a meeting of the board of governors held on January 22nd:

R. C. Jenkinson, Newark, N. J.
T. Foster Gaines, No. 45 Cedar Street.
A. R. Whitney, No. 29 Broadway.
Charles A. Fish, Postal Telegraph Building.
Anson G. McCook, No. 303 Broadway.
W. D. Boyce, Chicago, Ill.

At the annual meeting of the stockholders of the Allentown (Pa.) Hardware Works the following directors were elected: John Bowen, Andrew S. Keck, H. K. Hartzell, Joseph Ruhe, W. K. Ruhe, William Both and H. S. Shimer.

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The Vapor Stove Industry.

To the Editor of Hardware: In reply to your request for a brief history of the origin and growth of the Vapor Stove industry, I am pleased to herewith hand you the facts which follow: In 1863 a patent was obtained by a Mr. Dopp, of western New York, on a device for using the product of petroleum called gasoline and naptha for cooking purposes. Owing to the crude construction and general make-up of the burner and stove, they did not meet with popular favor, although energetic efforts were made to bring them before the public.

During the next ten or twelve years, few, if any, further efforts were made to perfect a burner and stove, although two patents were taken out during that time, both of which were obtained by Cleveland inventors. From 1876 to 1880 considerable progress was made in the improvement and adaptability of this style of stove, and several important improvements were made in the burner by simplifying the vaporizing process and improving the general character of the frame of the stove, as up to that time all the frames were constructed of wood, and were very inconvenient, unreliable and really unsafe.

While it is true that the first burner was patented, and the first attempt to put it into practical use was in Buffalo (which proved a total failure and was soon abandoned), the credit of all later progress and the final success is due to the genius and energy of citizens of Cleveland, and has now become one of her leading industries, employing between two and three millions of capital, and giving employment to over two thousand mechanics and artisans, thus sustaining no less than ten thousand of Cleveland's population.

Up to 1879 there were not exceeding one thousand of these stoves in use, and confined almost to the Western Reserve. At that time the writer's attention was directed to this new industry, and he soon became satisfied that a stove and range could be so constructed that it would soon become a household necessity on account of its great labor-saving advantages over the ordinary coal and wood cook stoves. He soon found, however, that the gasoline for use in these stoves, while plentiful and cheap, would require a different process of refining and treating from that which had been used up to that time. To overcome this difficulty, the writer erected a large plant especially adapted for producing a pure, odorless gasoline.

To this improved gasoline and improved burners and construction, the rapid growth of the Vapor Stove interest is largely due, as other refiners soon got into the way of producing the proper gravity and purity of gasoline, although comparatively few of these stoves were in use up to 1880. There is no better evidence of the progress that has been made in fifteen years in this industry, than the fact that today over two million of these labor-saving devices are in use throughout the United States, and Cleveland continues to take the lead in this industry, although these stoves are now made in St. Louis, Chicago and Milwaukee.

D. A. Dangler

Hon. David A. Dangler.

David A. Dangler, the president of the Dangler Stove & Mfg. Co., whose portrait we herewith present, is certainly thoroughly competent to speak to Hardwaremen, as he has in the above article, in regard to the history of the Vapor Stove industry. In the first place, Mr. Dangler for a number of years was one of the leading Hardwaremen of Cleveland, and as such became well and thoroughly known throughout all that section of the country. His connection with the Vapor Stove industry commenced, we might say, before the beginning of that trade, if such Hibernianism is permitted, for certainly he was one of the originators of that line of industry, has been one of its most active exponents from the beginning, and at present stands in the forefront of the manufacturers of that line of stoves.

Mr. Dangler was born in Lebanon County, Pa., and at an early age moved with his parents to Stark County, Ohio, where he learned to use his hands, and acquired that rudimental education of manual industry so essential to the self-made man he was destined to become. He had an ambition to fit himself for better things, and accordingly the arduous labor of the farm was supplemented, as opportunity offered, by a zealous application to study. At the age of fifteen he entered the large general store of Isaac Harter, at Canton, Ohio, as a boy of general usefulness. His brightness, industry, and natural aptitude for business, soon won the confidence of his employer, and promotion came as a matter of course. In 1845 he located in



DAVID A. DANGLER.

Massillon, which at that time had become a great centre of trade, which offered him larger opportunities. In 1852, Mr. Dangler took an advance business step, and formed a copartnership with John Tennis, then of Massillon, for the purpose of engaging in the wholesale Hardware trade in Cleveland. The expectations of the partners were fully realized in the general success of their business, which assumed high rank among the wholesale establishments of Water Street. In 1868, Mr. Dangler withdrew, enabling Mr. Tennis to associate his two sons with himself.

From his first appearance among the business men of Cleveland, Mr. Dangler was recognized as a valuable addition to their ranks, and the respect and confidence in which he was held grew with each passing year. On the breaking out of the rebellion, he took a prominent part in organizing war committees for the securing of recruits, and providing for the needy families of soldiers. There naturally came a call that he should take some part in public life as soon as those about him came to recognize him as he was. In 1864 he was elected by the Republicans to the City Council. He took a leading part in the labor and debates from the beginning, and as chairman of the committee on schools, was an active and efficient force in the making of the Cleveland school system one of the great educational

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actors of the middle West. As a member of the committee on finance, he did efficient work, which so commended itself to the people of Cleveland, that it was their general wish that he should be called to a higher field of labor. In 1865 he was elected a member of the Ohio House of Representatives. He at once took an important place in the labors of that body, and was made chairman of the committee on railroads and a member of the committee on finance and that on penitentiaries. His course was such in this position that in 1867, the close of his term, he was elected State Senator, and sent back to the upper House. He was a most efficient worker in that body, and had personal charge of a large number of measures which enabled Cleveland to successfully pass through the transition state of villagehood to a full grown city. He retired to private life at the close of his Senatorial term, by his own choice, and carried with him the respect of the entire community.

From that time forward Mr. Dangler gave his entire attention to the large business enterprises in which he was interested, and was, and still is, a hard working and busy man. He is best known as the president of the Dangler Stove & Mfg. Co., as president of the Vapor Stove Association of the United States; has also been president of the Domestic Mfg. Co. and the Crystal Carbon Co. All these business distinctions are the direct result of aggressive, methodical activities of a high order, complemented by a sterling character which throughout his whole record has commanded a faith in his integrity. He is a thorough gentleman in all his personal characteristics, cultured, pleasant and approachable, liberal with his means, public-spirited and ready to do any good that lies in his power. He has filled a large measure of usefulness in the world, and gains a widening circle of influence in every year that passes.

The Sportsmen's Exposition of '96.

Judging from the manner in which applications for space have been coming in since diagrams were sent out last month, space at the Second Annual Sportsmen's Exposition, to be held under the auspices of the Sportsmen's Association, at Madison Square Garden, March 16th to 21st next, will be at a premium long before the doors of the Garden open.

The Exposition of last May was largely in the nature of experiment. No exhibitor had a very clear idea of just what lines his own exhibit would assume when completed, and it is doubtful if any one of the thousands who visited the display during the week had formed the vaguest conception of what they beheld upon passing through the Madison Avenue entrance of the Garden. Notwithstanding the fact that it was a first Exposition, however, and that few, if any, of the exhibitors had ever before engaged in a like enterprise, the exhibit offered exceedingly few points for criticism either from an artistic or meritorious standpoint. The display of sportsmen's goods and appliances was a revelation to the uninitiated, and a source of great pleasure and satisfaction to the experienced sportsman; the spectacle was a grand one in its many and alluring representations of sport with the gun and rod; and the forty odd thousand people who looked upon the Exposition as the most altogether new and original, as well as one of the most attractive and interesting industrial and recreative exhibits they had ever inspected, gave the stamp of public approval to the First Sportsmen's Exposition in a most gratifying manner, both as to the standpoints of quality and numbers.

Under such circumstances it is not surprising that exhibitors, many of whom had gone into the Exposition with no little degree of apprehension as to the outcome, should have been gratified to an extent that resulted in their making inquiries as to space for the Second Exposition, almost before the first was well under way. The date for the opening of the Second Exposition is still more than two months distant, and not a manufacturer outside of New York City has been seen as yet by the Exposition Committee; a majority of the spaces have already been taken, however, applications and requests for reservation in every instance having come in by mail and without solicitation other than the receipt of a diagram and the price list of spaces. Many of the more prominent exhibitors of last year, such as the Winchester Arms Co., Parker Bros., Overman Wheel Co., A. G. Spalding & Bros., Hermann Boker & Co., Hazard Powder Co., Francis Bannerman and Iver Johnson's Arms & Cycle Works, have taken increased or more prominently located space, while such houses as the Laflin & Rand Powder Co., United States Net & Twine Co., H. H. Kiffe Co., Electric Boat Co. and others of equal importance in their respective lines, who were not in last year's exhibit, have taken liberal space for the exhibit of next March.

The creation of an Exposition Committee composed of Messrs. Dressel, Von Lengerke and Chasseaud, and which, together with Manager Sanger, will have entire charge of all details of arrangements and preparation for this year's exhibit, has been a step in the right direction. The members of the committee, working in perfect harmony with Manager Sanger, have quickly eliminated the faulty features of last year's show, and have provided substitutes which can scarcely fail to give additional attractiveness to the exhibit of '96.

Last year the efforts of the Sportsmen's Association and of the Exposition management were centered in but one direction, that of filling the spaces in the Garden with a desirable and representative list of exhibitors and of demonstrating beyond all question that an exhibition devoted to the interest of sportsmen was wanted and would be appreciated and supported. Having accomplished this, and feeling sure that the Exposition of '96 will take care of itself so far as its spaces and attendance by the public are concerned, the Exposition Committee and the Sportsmen's Association are now making tremendously strong but very quietly prosecuted efforts to give the second exhibit a value from a trade standpoint, which the exhibit of last spring did not know to any considerable extent. In other words, it is intended, if possible, to bring to the Second Annual Exposition not only the sportsmen of the country, but sporting goods dealers from all sections, to the end that closer relations may spring up as the result of personal contact between buyer and seller, and that points of mutual interest to manufacturer, jobber and dealer may, under the auspices of the Second Annual Exposition, be discussed with profit to all concerned. The presence at the show of a thousand leading dealers in sporting goods, brought there as delegates to a sportsmen's convention, would unquestionably give the Exposition a value to the exhibitor far greater than it had last year, and that, too, without detracting an iota from its value as an educator and its interest to the general public. In this direction the Sportsmen's Association is working, and within a fortnight will be able to announce its perfected plans and the measure of success that has attended its efforts.

The Waterbury Brass Co., Waterbury, Conn., New York, Providence, R. I. and Newark, N. J., are sending out a tasty calendar for 1896. A winter scene is represented, showing two gunners in the forest. One is in the act of shooting while the setter stands several paces in advance, and by his position indicates the presence of the game. The company manufacture brass, gilding, metal, copper, German silver in sheets, rolls, bars, rods, tubing or cone, brass kettles, brass and copper rivets and burs, Hick's patent primers, percussion caps, flasks, pouches, belts, game bags, gun wads, powder and shot measures, etc., etc.

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NEW YORK CYCLE SHOW.

The Third Annual Exhibition of Cycles, Cycle Accessories and Sundries that opened at the Madison Square Garden on Saturday, January 18th, and continued till January 25th, goes down in history as a cycle show without an equal. About two hundred concerns were represented at the show. It is not necessary here to describe the appearance of the Garden on the opening night; it really beggared description, being a sea of light and color. Nor is it our intention to give a detailed description of the individual exhibits, we having already done them justice in a recent issue. There has been some discussion among the manufacturers as to the desirability of the continuance of cycle shows, many expressing themselves as being opposed to them, but surely the immense crowds that have attended this one have shown them the folly of their ways. After visiting the show one appreciates what a strong hold cycling has on the public, but after all who could really be indifferent after seeing so many beautiful specimens of mechanical genius as were displayed at the show. The crowd that filled the vast floor space was so great that many were forced into the various balconies, thus assuring the exhibitors in these locations their share of attention. The souvenir fiend was out in force and he had a rich field from which to satisfy his desire, as the souvenirs offered were costly and numerous. The ladies' hearts yearned for the silver spoons given away by the Waltham Mfg. Co., and the gentlemen were equally anxious to obtain the silver bicycle plates given by the Bidwell, Tinkham Co. The E. C. Stearns Co. distributed a bamboo cane decorated with a yellow bow, which soon gave the crowd the appearance of a large college attending in body. The Pope Mfg. Co. showed a tandem equipped for military use. The wheel was provided with a blanket, two army overcoats, two rifles, two revolvers and apparatus for signalling. They also exhibited a single with one of the new Colt's automatic guns mounted over the handle bars. The wheel is intended for either military or police duty and would make a fearful weapon during a strike. E. C. Stearns & Co. showed one of the two sextets in the whole exhibit, the Fowler Co. showing the other. The ice bicycle shown by the Warwick Cycle Co. attracted universal attention. The Black Mfg. Co. showed a single inlaid with pearl, which was valued at $1,000. The Miami Cycle Co. had the only triplet and also showed a nobby carrier with glass case. The International Mfg. Co. showed a large fat man and an American tandem, the front chain working through the truss frame giving a center pull. The Syracuse Cycle Co. were ably assisted by their Syracuse braves, who doled out souvenirs to the eager crowd. The Humber people had a Chinaman on hand, dressed in handsome silks, with queue and all complete. The Liberty Cycle Co. showed a wheel equipped with a wooden handle bar, which is said to do away with all vibration. In the display of Crescents made by the Western Wheel Works was a spokeless wheel made by a farmer's boy of Monmouth Co., N. J. The boy's only tool was presumably an axe. Ordinary garden hose was used in lieu oi tires. R. H. Wolff & Co. showed a patent Wolff-American Duplex equipped with a gatling gun. The tendency for the coming season seems to tend to larger tubing, increased weight, larger tires and brakes. Amongst those prominent in the trade who registered at the Bureau of Information were the following;

O. W. Andrew, New London.
Allen Aldrich, Providence.
S. A. Adams, Jacksonville, Fla.
E. H. Brandt, Hartford.
George D. Buckley, Fitchburg, Mass.
C. E. Brayton, Syracuse.
H. F. Campbell, Holyoke, Mass.
George Collister, Cleveland.
O. J. Clough, Worcester.
C. D. Cutting, Chicago.
Charles M. Donohue, Lynn, Mass.
David Harry Darling, Brooklyn.
I. N. Nann, New Haven.
A. H. Funke, New York.
N. D. Griffin, Gloversville, N. Y.
J. Lee Greenleaf, Indianapolis.
O. H. Gordon, Newark.
Robert D. Gould, Fitchburg.
Louis Cuyler, New York.
J. L. Greenleaf, Peoria.
Trusdell Gorham, Marshall, Mich.
Robert Gentle, Elizabeth, N. J.
George K. Garwood, Stockton, N. J.
William H. Hayden, Worcester.
Thomas Hay, Indianapolis.
Frederick H. Hunger, New York.
Howard Hoffman, Brooklyn.
Gardner Hathaway, Marblehead, Mass.
A. J. Hammond, Lynn.
A. H. Huxley, Boston.
William H. Haggett, Portland, Me.
C. S. Henshaw, Brooklyn.
F. C. Hegeler, Cleveland.
N. B. Jennigen, Philadelphia.
Frank Jennings, Boston.
A. R. Keating, Fond du Lac, Wis.
J. D. Keating, Springfield, Mass.
J. R. C. Cross, New York.
W. H. Kirkpatrick, Chicago.
H. G. Kimball, Montclair, N. J.
R. F. Kelsey, Hartford.
F. J. Lang, Fond du Lac, Wis.
C. Albert, Lyon, Lynn.
C. H. Lamson, Boston.
H. C. Ladd, Buffalo.
J. H. Leonard, New York.
George W. Marble, Plymouth, Ind.
G. A. Marble, Plymouth.
J. C. Merwin, New York.
W. C. Marion, Jr., Indianapolis.
E. W. McCarlin, Chicago.
George C. Mattey, Hackensack, N. J.
A. W. Marchand, Cleveland.
J. W. Minnig, Reading, Penn.
E. N. Meyer, New York.
C. A. Mann, Buffalo.
Daniel Nast, New York.
William H. Newman, New York.
C. K. Plumb, Chicago.
Arthur Preyer, New York.
James Pace, Auburn, N. Y.
J. C. Pierres, New York.
Frank Price, Chicago.
W. H. Pedersen, New York.
E. R. Pughs, Cleveland.
Reuben Punnett, Rochester.
A. L. Prentiss, Buffalo.
G. Y. Patterson, Chicago.
Fred Patee, Indianapolis
C. G. Percival, Boston.
Edgar Park, New York.
George W. Pratt, Chicago.
J. F. Palmer, Chicago.
G. Fred Pollock, Paterson, N. J.
Forest Peabody, Lowell.
C. E. Piper, Lakeport, N. H.
George G. Pierre, Philadelphia
James J. Carr, Auburn, N. Y.
C. E. Davies, New York.
H. L. Doullard, New York.
G. V. K. Greene, New York.
W. A. Gray, Westboro, Mass.
E. C. Hinch, New York.
J. C. Herron, Trenton.
Charles A. Miller, Syracuse.
William J. McCormick, Kalamazoo, Mich.
William Shirley, Chicago.
B. V. H. Schultz, Chicago.
R. A. Strong, New York.
E. D. Sapportas, New York.
Frank O. Starkton, Newark.
C. Hudson Smith, Montreal, Canada.
George H. Strout, Boston.
L. X. Smith, Sidney, N. Y.
C. S. Sherman, Windsor, Vt.
H. G. Shepard, New Haven, Conn.
A. M. Straight, Chicago.
Sam S. Thorpe, Jr., Cleveland.

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Lin B. Thomas, Cleveland.
C. E. Teale, Plainfield, N. J.
George S. Vail, Germantown, Penn.
F. J. Wagner, Chicago.
M. L. Walley, Jr., Auburn, N. Y.
Frederick E. Wright, Hamilton, Ohio.
John N. Willys, Cleveland.
E. J. Willis, New York.
John M. Warren, Worcester.
W. H. Williams, Pittsburg.
Charles Wagner, Peoria.
Thomas Wilt, Chicago.
J. T. Wherett, Newark.
F. K. Wood, Philadelphia.
John Williams, Chicago.
John Walters, Tonawanda.
Le Grand Pierce, Pittsburg.
Arthur Payne, New York.
Frank M. Rowan, Boston.
Charles Rosencran, Long Branch.
Charles P. Roat, Chicago.
William L. Ross, Boston.
Y. W. Ralph, Philadelphia.
J. L. Rodman, New York.
C. B. Rice, Oswego.
John Jay Ross, Marshall, Mich.
John C. Stake, Chicago.
Charles K. Starr, New York.
George Story, New York.
L. S. Stillwell, New York.
A. L. Starkweather, New York.
Frank P. Sibley, Boston.
W. A. Stockley, St. Louis.
Lee Sturgess, Chicago.
H. P. Seyden, Little Falls.
A. G. Spalding, New York and Chicago.
Will R. Steele, Corry, Penn.
H. R. Smith, Syracuse.
C. F. Smith, Indianapolis.
T. F. Tully, Lynn.
R. K. Teller, Unadilla, N. Y.
F. Ward Tuttle, Syracuse.
M. J. Ward, Unadilla, N. Y.
W. B. Willson, New York.
G. Winturn Warden, New York and London
C. H. Walters, Tonawanda.
George K. Barrett, Chicago.
G. A. Boyer, Cleveland.
W. H. Butler, Worcester.
W. Hicks Bell, Philadelphia.
P. J. Berlo, Boston.
H. Crowther, Cleveland.

Cycle politics have been discussed during the week. Sterling Elliott, of Boston, who has L. A. W. presidential aspirations, was early on hand. President Willson, of the L. A. W., was also there. A large box at the Madison Avenue entrance was the headquarters of the League, and here was located a petition for legislation favorable to wheelmen, which all visitors were asked to sign. On Wednesday, January 22d, a meeting of the stockholders of the National Cycle Board of Trade was held.

The thirteen new directors elected were: W. A. Redding, A. G. Spalding, C. F. Smith, C. E. Stevens, George H. Day, R. G. Gormully, C. W. Dickenson, R. L. Coleman, J. C. Yost, H. G. Garford, J. McKee, W. J. Bruff and W. F. Wilson.

A. G. Spalding, the retiring President, announced that the organization was in a strong financial condition, with a balance of about $40,000 on hand.

The new directors then proceeded to elect officers. R. Philip Gormully, who was tendered the office of President, declined to accept. With Gormully off the ticket the second choice fell upon R. L. Coleman. The latter created widespread surprise at the meeting by declining to accept the office. This left the directors in a quandary, and in order to give the subject mature consideration, the election of new officers was postponed.

The impression gained after several visits to the show is the fine finish and handsome appearance and mechanical excellence of the 1896 mounts. The varied colors of the finishes, including red, yellow, green, blue, maroon, white, nickel, onyx, crimson and black, lend attractiveness to the scene. Society has smiled on the show and lent it charms. Ladies in handsome gowns and gentlemen attended in the sombre dress suit more numerously every night.

"Hop's" Corner.

Cycling has come to stay.

Of that fact there remains no longer the slightest doubt, and it well deserves its successful achievement.

But let us not forget one important fact, that it was the masses, the toilers, the warp and woof of the nation, who have popularized this sport.

It is the pastime of the people. They adopted it at sight, and made it possible that the 75 millions of dollars invested in this gigantic interest, should every dollar of it receive its just reward.

Certainly no greater boon has ever been bestowed upon the American people in the interest of healthful sport, and the beneficial results reached by its universal adoption by both sexes will infallibly increase the average longevity of those who love it.

Health is the foundation of all that is pleasant or enjoyable in life, and the constant activity engendered by the use of the wheel, makes the precious blood course through its natural channels in quicker currents and infinitely purer; and the overtaxed brain thus made healthy keeps our nerve functions vigorous; the muscular exercise acting beneficially on an irritated or depressed state of mind, the influence of the bicycle becomes one of the greatest remedial agents for removing the nervous and mental troubles so inseparable from the daily lives of our active population.

As a nation we are invariably hard workers—pushing our best faculties to their utmost tension to accomplish our ambitions; but, unless we learn to use with discretion the sports our exhausted natures turn to for relief, we will use up our physical resources without deriving any material benefit. We need constantly some healthful exercise in the fresh air, with frequent changes in the surroundings, polishing up our intellectual forces and filling our lives with the sunshine of contentment, all of which is made possible by the use of the bicycle, and all of which is consequently within our grasp.

What is there so exhilarating as the complete mastery of the wheel, and the feeling of conscious power which comes with the knowledge that by its aid we have within our reach limitless fields of intelligent enjoyment, extending by its use even the social possibilities of our existence?

It creates new phases of ecstasy, casting care and sorrow to the winds; opening up a newer and nobler love of Nature than we ever supposed our hearts were capable of feeling. We become more worthy of those we love; more unselfish in our aspirations; more humane in our feelings to those around us, and more considerate of their comfort and happiness; and all this increase in our capacity for enjoyment is brought into existence by our mastery of this new element of civilization.

"Hop."

The Lee-Clarke-Andreesen Hardware Co., Omaha, Neb., have elected the same officers and board of directors as those of last year, as follows: H. J. Lee, president; H. T. Clarke, vice-president; E. M. Andressen, treasurer, and W. M. Gass, secretary. The officers, together with J. C. Coit, comprise the board of directors.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the Ansonia Brass & Copper Co., Ansonia, Conn., a new boiler house 65 feet wide and 142 feet long. The side walls are of brick, and the roof is entirely of steel, covered with the Berlin Iron Bridge Co.'s patent anti-condensation corrugated steel.

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Some Michigan Girls.

The Northern Refrigerator Co., Grand Rapids, Mich., manufacturers of the Glacier Refrigerators, have adopted a very unique method of compelling every man with blood in him, who enters the office of one of their patrons, to gaze continuously at an advertising card which they have just issued. It is a very artistic reproduction of half a dozen of Michigan's fair daughters occupying an opera box, somewhere, we presume, where the merits of the Glacier Refrigerator are being londly sung. The whole lot are joining in the chorus with all the energy there is in them. As a mere specimen of the latest Michigan fashions, both in dresses and hair-dressing, they fill the bill most admirably. It is a very attractive and artistic card, a foot and a half square, and so made that it will either hang on the wall or stand on the desk of any man who is appreciative of female beauty. They are also publishing a cute little hand-book entitled "Cooling Things," which sets forth in full the merits of their refrigerators, and which, by a very ingenious idea, is bound in samples of the charcoal sheathing used in the manufacture of their refrigerators. They are also sending their friends a handsome illustrated catalogue and price list of the "Famous Seven-Walled" Glacier cold dry air refrigerators, as manufactured for the season of 1896. This is also bound in samples of their sheathing, and contains sixty odd pages, upon every one of which is a presentation in fine half-tone of some one of their line of goods, with sizes, prices, etc. The company say that through their long experience in the business and their ownership of valuable patents, in addition to the immense stock of dry hard-wood lumber they have on hand, with the latest improved machinery, first-class dry kilns and skilled workmen, they are in position to guarantee their goods to give satisfaction both as to price and quality. They add that the capa ity of their works is over 200 complete refrigerators per day, and that they have five large warehouses in which they carry a stock of over 20,000 refrigerators the beginning of each season. The special points of merit to which they call attention are the seven walls for insulation, the Glacier air-tight locks, and the Barrett movable flues for cleaning, which were patented January 26, 1892. These catalogues will be sent on application.

Major's Water Filter.

The Water Filter here shown is an invention of A. Major, the well-known cement maker, No. 461 Pearl Street, New York. It is described as follows: It filters the water, instead of simply catching the larger particles of dirt and letting the smaller ones and noxious bacteria pass through;



can be placed in any water cooler and be cleaned out as easily as a saucepan. The filtering device consists of a porous stone that extracts all the impurity from the water. The filter can be filled up with ice if desired, and the impurities that too often exist in the ice are also eliminated before the water reaches the faucet.

HARDWARE is printed for men now on earth.

Bissell Carpet Sweeper Co.'s Advertising Department.

Some time before Christmas the Bissell Carpet Sweeper Co. announced an offer of a special cash prize for the best three "ads." on their line of Bissell sweepers as Christmas gifts. As an outcome of this they issued 1388 special electros, and received many excellent advertisements. After Christmas and after the returns were all in, the Bissell Co. secured the services of Messrs. Lord & Thomas, the well-known advertising agents of Chicago, to act as their judges in awarding the prizes, and the committee appointed by Lord & Thomas, after careful consideration of all the "ads." that had been submitted, awarded the prizes as follows:

First Prize—The G. B. Churchill Co., Galesburg, Ill. Second Prize—Vroom Bros., St. Stephen, N. B. Third Prize—Robies Dry Goods House, Bath, N. Y.

The first prize consisted of $50 cash, the second prize $30 cash and the third prize $20 cash.

The following five houses sent in very excellent advertisements and are entitled to honorable mention, but not quite successful enough to warrant cash prizes:

W. R. Hodgkin, care Gable & Co., Altoona, Pa. Porteous-Mitchell & Co., Saginaw, Mich. Harry H. Smith, Elyria, Ohio. Crews-Boggs Dry Goods Co., Pueblo, Col. James Patton & Co., Charlottetown, P. E. I.

The Sam'l C. Tatum Co., Cincinnati, Ohio, have issued a catalogue descriptive of their Ice Cream Freezers. This is rather unique in its arrangement, as it contains a number of pages which show in fac-simile the endorsement of their goods, made by leading Hardware and house-furnishing goods houses of the country. They also furnish a full description of the Ohio Freezer with prices, specifications, etc. They state that the catalogue has been issued to show how highly their goods are esteemed by those who have handled them, and add that while they have been manufacturing this freezer for two years, they have many thousands of them distributed in all parts of the United States, and that their sales for 1895 were much more than double those of 1894.

C. Flickinger, dealer in Hardware, etc., Erie, Pa., writes: "Please send paper as per enclosed order. I am at present well supplied with trade papers, but on examining a copy of *Hardware*, send me that, as it is the best Hardware paper I ever saw. I find that most of the trade papers try to crowd too much of a variety into one paper, and in that way cannot do justice to all." Mr. Flickinger adds that business in Erie just at present is very quiet, but that of the past year has been much better than was noted in the year before; that margins have to be cut so close that the results are not altogether encouraging. He lives in hope for the coming year.

The Mechanical Rubber Co., Cleveland, Ohio, are publishing a little pamphlet descriptive of the "Royal" factory fire hose for mill protection, as required by the associated factory mutual insurance companies. This article is described and illustrated fully, and on one page of the pamphlet is a representation of the standard factory hose-house, properly equipped with the "Royal" factory fire hose. All who are interested in the protection of their property will do well to send for this little pamphlet.

The Simmons Hardware Co., St. Louis, have issued a handsome spring catalogue, No. 240, for their spring trade of 1896, which illustrates and describes fully their seasonable goods, which include baby carriages, refrigerators, lawn mowers, boys' wagons, velocipedes, screen doors, ice cream freezers, etc.

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The Truman Cycles For '96.

Chas. Truman & Co., Toledo, Ohio, are sending out a handsome catalogue which fully illustrates and describes their line for 1896. Among the wheels shown therein is their Model 24; height of frame 24 inches; weight 23 pounds; price $100. Model 21, height of frame 22 inches, regular, 20 inches special; weight 23 pounds; price $100. Model 26, height of frame 26 inches; weight 24 pounds; price $100. Model 23, height of frame 23 inches; weight 22 pounds; price $100. Model X, any desired height of frame; weight 21 pounds; price $100. Their model 23 is shown in this connection.

The catalogue contains specifications of the wheels, and full illustrated descriptions of the parts entering into the construction of their wheels. Their plain purpose and very comprehensive mottoes are explained in a note of introduction, in which they say: "We take pleasure in showing the public our line of business and pleasure bicycles, and from our past pleasant relations with the said public, we feel sure that it will appreciate our advancement and improvement in the ease of running, strength and beauty of our wheels. No Nonsense is our motto, and that applies to our policy of cutting out all the unnecessary and unbusinesslike expenses connected with the bicycle business as she is conducted. We have reference to the enormous outlay for useless racing teams, giving bicycles as prizes, and many other equally extravagant and wasteful methods of whooping 'er up at the expense of the quality of the machine. We put all this outlay into the makeup of the bicycle, and no expense will be spared to make the wheels absolutely perfect in every detail, and that is where we expect to gain friends. We make good wheels, but no 16 pound freaks for the road. Our line consists of a 26-inch frame for the six-footer, 24-inch frame for the mass of riders, 23-inch frame for the little fellows, and one the same height, with shorter cranks, for bloomer girls, the sweetest ladies' drop frame imaginable, and a 21 pound roadster of any desired height for the fast brigade, but no nonsense." This catalogue will be sent on application.



Annual Banquets.

The employees of the Sickels, Preston & Nutting Co. were entertained at their annual banquet last evening at Library Hall by the members of the firm. About thirty of the clerical force of the company sat down to a banquet of good things. Biehl's orchestra furnished the music for the dancing which followed, and which was thoroughly enjoyed. The firm is to be congratulated on the considerate interest they take in their employees, and in setting an example of colaboration which could well be followed, and is, by other firms of the city.—*Davenport (Iowa) Leader.*

Among the recent Hardware dinners was that of the Supplee Hardware Co., of Philadelphia, where one hundred of the salesmen and employees gathered about the festal board and spent an evening of great enjoyment. An address was delivered by W. W. Supplee, which took on the form of reminiscences in regard to his boyhood days, and the struggles through which he was compelled to pass before reaching his present eminent position in the Hardware trade. The evening closed with the singing of "Auld Lang Syne."

The annual dinner of the Hibbard, Spencer & Bartlett Co., of Chicago, was also a success, and was given at the Auditorium Hotel. About a hundred representatives of the company sat down, and William G. Hibbard presided and C. Bartlett acted as toastmaster. Speeches were made by John Peters, R. S. Marlin, Henry Cassidy and others.

The Athol Machine Co., Athol, Mass., have issued one of the most attractive illustrated catalogues and price lists of the season. This describes in full their line of goods, as iron founders, their improved American meat and vegetable chopper, Simpson's patent adjustable vise, Wright's animal tether, and other Hardware, household and agricultural specialties. Some fifty pages are occupied in these descriptions, and the whole catalogue is bound in a handsome black cover with gold lettering. The goods above referred to are illustrated in full, with prices, descriptions, etc. It also contains the list of goods made by the Standard Tool Co., for which the Athol Machine Co. are sole agents. These include squares, rules, bevels, gauges, calipers, pliers, micrometers, wrenches, etc. The book contains a price list of extra parts, descriptions as to ordering, and other matter, which makes it a matter almost of necessity that it should be in the hands of dealers everywhere.

Duane H. Nash, of Millington, N. J., and No. 30 South Canal Street, Chicago, has published a catalogue describing the Acme Pulverizing Harrow, Clod Crusher and Leveler manufactured by him. He describes it as "a harrow that will do the whole business; will crush, cut, lift, turn, smooth and level all in one operation."

The Buhl Stamping Co., Detroit, are sending their friends a little monograph which shows in full their line of milk cans, etc. Prices and details are given.

The Retail Hardware Dealers' Association of Michigan will convene in Saginaw February 12th.

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As to Hardware Names.

Editor of Hardware: Referring to "Hardware Names" in your issue of December 25th, it has given me some pleasure in looking up the records, to see if your correspondent was correct in explaining the "whys," etc., etc.

From what I am able to learn, he is evidently in error in assigning the origin of the word "knife" to France instead of to Germany, where it seems to have been used first. I find "Knife," an instrument for cutting. The word is of distinctly Teutonic origin, the root being knip, to nip, to pinch. In German it is kneifen, to nip, to squeeze; in Anglo-Saxon, cnif; in Swede, knif; in French, canif. The word got very early into England with the Anglo-Saxons, and from there over into France, across the Rhine, where it is applied to penknives only, while a table knife is or was a mensacutae, and a little knife a kenivet.

Perhaps the following, in addition to the information you have given, may interest your readers: Pistol, a small hand gun, the name of which is derived from Pistoja, formerly Pistola, a place near Florence, Italy. But there were pistols before gunpowder came into use in Europe. The first pistols were daggers. An early Italian pistolese was a great horseman's dagger. In adopting the barrel and lock of the new invention the shape of the dagger handle was retained and the implement called a pistola. It has been said, moreover, the barrel of the pistol was at first attached to the dagger handle, so that the horseman might shoot, cut and stab with the same weapon.

The act of weighing, and machines for weighing, are closely connected with the Hardware trade; in fact, the first work I ever did for this firm was to weigh ten pounds of tenpenny nails; and it has occurred to me that some of the younger Hardwaremen may not know all about the "whys" of the different appliances used in weighing; possibly it may save some of the older men embarrassment, if they should be asked suddenly, as I was recently, why a steelyard was called a steelyard. I did not know then, but do now, and here it is:

Steelyard, a weighing machine; provincially pronounced stilyard; as a grindstone is called a grin-stone. But why steelyard? In its construction no steel is used, nor has the steelyard any hold on linear measure; but in London, some centuries ago, in Dorgate yard, near by the docks, a yard or storage place was set apart for handling steel that was brought over to England by the Hanse (North German) steel makers. To weigh such heavy metal a machine was devised, and it took the name of the place where it was used and has kept it, though the steel yard on Cosins Lane has long since disappeared. The word is found in none other than the English language, though the steelyard is universal.

Scales: The bowls or pans of a balance. Latin, bilanx—bi, two, lanx, pan—two pans suspended from a balancing beam. Scales, or balances, are of great antiquity, and are first found on the inner walls of religious temples in Egypt, as being used for weighing human souls to ascertain whether they shall be admitted into heaven or sentenced for a term in purgatory. They were also used to a great extent for commercial weighing. The history of scales is full of interest. But there are no scales. Scale means a shell, as of a fish, oyster or nut, and time was when these scales were suspended from the balance-beam—not now. Metal bowls or pans are used instead. The name abides, but the scale itself has disappeared from the weighing machine. Weights used in balancing are and were numerous, various, even ludicrous. In soul-weighing the tip of an ostrich plume is represented; in merchandise, the metal or stone heads of cattle, small hard seeds, tiny coin, etc. In our time, scruples (sand), dram (handful), ounce (inch), and pound (pondus) weights in avoirdupois (to have some weight), are used. In troy weight (Troyes, a French city). grains (little seeds), pennyweights (old silver penny) and ounces are yet tabulated as weights. In weighing precious stones, carat, Arabic quirret, a small weight, is used. The evolution of weights is a very interesting study for a Hardwareman.

JAMES R. NUTTING.

Sickels, Preston & Nutting Co., Davenport, Iowa, January 6, 1896.

He Has Tested His "Falcon."

The subjoined interesting letter shows what one rider did in California, and what can be done on a "Falcon," the well-known wheel made by the Yost Mfg. Co., Toledo, Ohio:

San Francisco, Dec. 12, 1895.

GEO. WEBB ALEXANDER, San Francisco, Cal.

Dear Sir:—On my trip south I started from San Francisco, via Oakland to San Jose, then via. San Juan and San Juan Mountains where my walking powers were tested for three miles up the mountains; I passed Salinas and on through to Chular. From there I went to Slack Canyon where I spent a few days hunting, and went down to San Mignet; there I received five hundred placards. After loading them on my wheel with my clothes and sundries I weighed two hundred and fifty-two pounds; making a big load for 22½ pound "Falcon" over rough roads. From there to Arroys Grande, which is one hundred and fifteen miles, the roads are very bad; being cut up by heavy teaming. From there through Nipomo via Pismo Beach to Santa Maria where I was delayed by rain for two days. We were then two hundred and seventy-six miles from 'Frisco, or three hundred and twenty-six miles via Slack Canyon.

From Santa Maria we encountered more or less sand until I reached the Santa Barbara mountains, where my walking powers were again tested for six miles up the mountains, though the scenery is so grand in these mountains one does not mind the climb. The grade after I left the summit was rather steep, although I rode down by tying a large brush to my wheel as a drag. Reaching the foot-hills we encountered sand and orange groves to Santa Barbara. From Santa Barbara I rode twenty-five miles on the beach to Ventura, where I received another batch of placards; then via Hueneme, Calabasas, Cahnenga Pass to Los Angeles, five hundred and thirty-three miles; actual riding time sixty-five hours. Had we gone direct without touching at Slack Canyon, could have made it in four hundred and fifty-two miles.

I left Los Angeles via Pasadena and Penona to San Bernardino; then to Redlands, Riverside, South Riverside through the Magnolia Drive to Santa Ana; from there I visited Olive, Orange, Anaheim; then back through Whittier to Los Angeles, and winding around touching at these towns I covered two hundred and seven miles, making seven hundred and fifty miles in all; actual riding time was 87 hours.

My return trip was through the San Joaquin valley. I left Los Angeles road to Newhall; then crossed the Tehachepi Mountains via. Tejon Pass. At the summit I encountered snow and rain, was compelled to take the stage for a few miles until I reached Antelope Valley. From there to Bakersfield the roads were fine; I rode one hundred and fifteen miles that day. From there via Tulare, Fresno, Madera, Merced, Modesta, Lathrop to San Francisco, which is five hundred and eight miles; making in all twelve hundred and forty-eight miles. Actual riding time was one hundred and forty hours. Yours respectfully,

E. S. ELLSWORTH.

Advertising Axioms.

The reward of the faithful advertiser is certain.

Man advertises and the people make purchases.

"Many men, many minds." Many ads. in many publications, many buyers.

The name and quality of good goods can be advertised so as to be "more lasting than brass."

Make your ads. speak the truth boldly, and the people will appreciate your frankness and respond.

"From nothing (in the leading publications) nothing comes." From *something*, however, results are sure to come.

"May his fame endure forever"—the advertiser who advertises with sensible copy that appeals to the sense of the people.—By J. Walter Thompson, of New York.

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Eclipse Bicycle Works at Elmira, N. Y.

Few people have any idea of the extensive plant of the Eclipse Bicycle Co., at Elmira, N. Y., and the accompanying photo-engraving gives one some conception of their immense establishment, It is by far the largest bicycle factory in New York State, and ranks as fourth largest in the United States. The works are running to the fullest capacity, and are turning out 125 finished wheels per day, and not only the citizens of Elmira, but the general trade throughout the country, feel proud of such an establishment.

The company have already closed all their business west of Chicago, and are rapidly covering the East. Their foreign agencies in England, France, Germany and Russia are this year clamoring more than ever for goods. It is expected that in the near future they will have to add very considerably to their now extensive plant.

Considering the time this company broke ground for their new works, they have made an exceptionally good record. On the 5th of July, 1895, the contract was signed, with the agreement on the part of the contractor that he should have one wing of the building completed within thirty-five days, and that the entire plant would be ready to deliver to its owner within sixty days from the date of the signing of the contract. It was predicted by experienced men that it would be impossible to complete the building within the time specified, and persons experienced in the manufacturing business predicted that the Eclipse Co. would not have their machinery in operation before the first of January; however, they have proved that they are hustlers, and for the past month and a half have been turning out goods daily.

As the reader is aware, the company moved their plant from Beaver Falls to Elmira, and when it is understood that they took thirty-seven carloads of machinery and tools from that city, and since that time have had fifteen additional cars placed on their switch, containing automatic machines and other special bicycle machinery as well as an entire gas plant, that will turn out 25,000 feet of gas daily, also all the necessary appliances for an entire sprinkler system, consisting not only of an entire equipment throughout the building, but also a miniature water works, having reservoirs holding 70,000 gallons of water, besides a wooden tank holding 10,000 gallons, placed on a derrick, the top of which is fifteen feet above the building, one can gain an idea of the large amount of work that has been accomplished in that time.

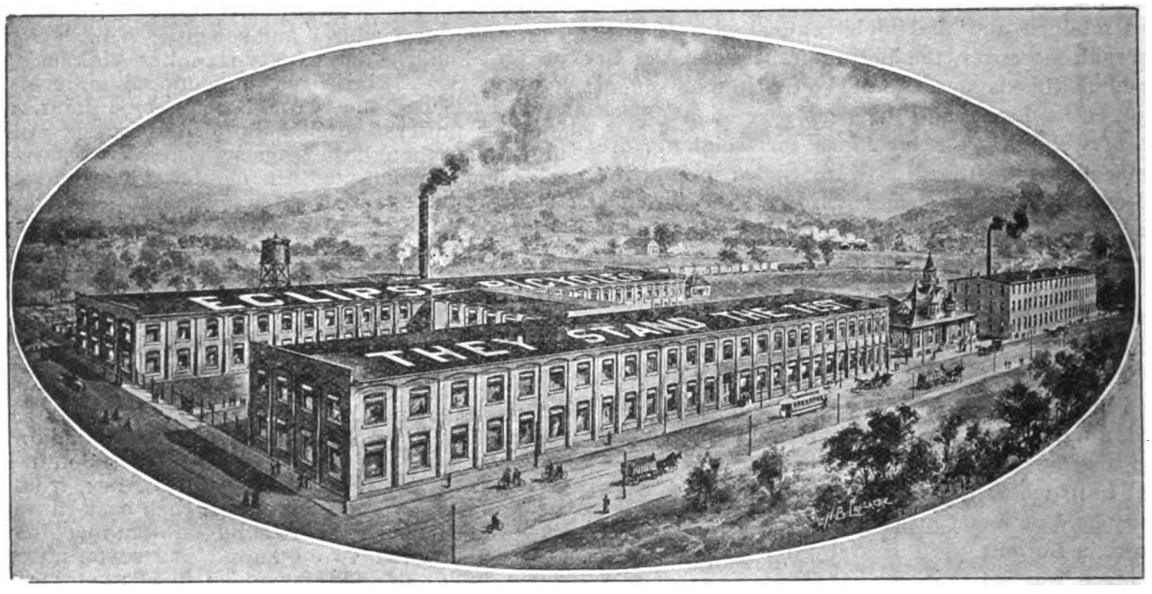
The plant is heated throughout with steam, and is equipped with the latest devices for carrying off all dust that may accumulate about works of this description.

A novel feature of this company is an entire water works system outside their building. They have a large pamp with a capacity of 500 gallons of water a minute, and this is connected directly with their reservoirs, and they pump directly into a hydrant system which encircles their works. It has possibly the most complete water works of any factory in the United States.

The buildings are of the following sizes: Two buildings 325 feet long by 40 feet wide, connected in the centre by a building 50 feet by 60 feet, all two stories high, and one building 150 feet long by 40 feet wide, three stories high, besides boiler house, engine and dynamo rooms, blacksmith shop and enameling ovens. In addition to the above, the office building, which contains nearly as much floor space as some cycle factories, is a model of Queen Anne architecture, containing twelve large rooms beautifully finished in quartered oak and Georgia pine, with a beautifully finished veranda at the main entrance. The office is heated throughout with steam and lighted with electricity, which the company supply from their own plant.

The grounds around the factory will be beautifully laid out in the spring with fountains, palms, shrubbery and flowers.

The company are always pleased to see any of their friends and extend a hearty welcome to everybody interested in bicycles.



Commercial Travelers.

Commercial travelers who flourished at the beginning of the century would be astonished if they could see how business is conducted nowadays, remarks a writer in an English paper. "Bagmen" no longer confine their foreign journeys to a run on the continent, but they practically cover the whole face of the earth. One representative of a Midland establishment not very long ago visited the land of the Pharaohs, while another spent several months in India, with the happiest results. Now a well-known Birmingham firm have arranged for one of their staff to visit South Africa, and call on all the chief towns on the coast, and when he has exhausted these—without, I hope, exhausting himself—he is to hark away to South America, so that he stands a good chance of being absent from his own country for a year or more. Commercial travelers who make these long journeys must have strange experiences, and it is to be hoped some of them will be placed on record.

T. W. Williams, Eastern and foreign manager of the Bissell Carpet Sweeper Co., has recently been elected a director in the Citizen's Lloyds of New York.

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Yale & Towne Chain Blocks.

In the issue last preceding somewhat extended mention was made of a handsome and comprehensive monograph on "Chain Blocks," just issued by the Yale & Towne Mfg. Co., Stamford, Conn., and New York. In this connection

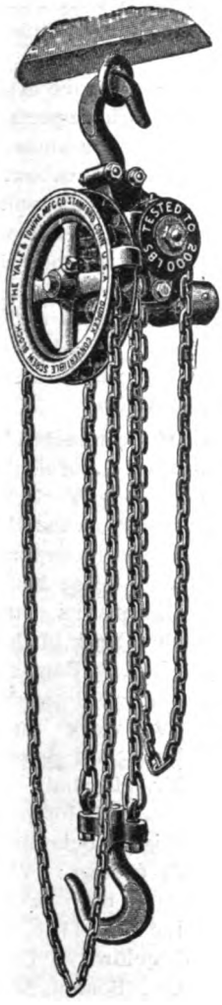


FIG. 1.

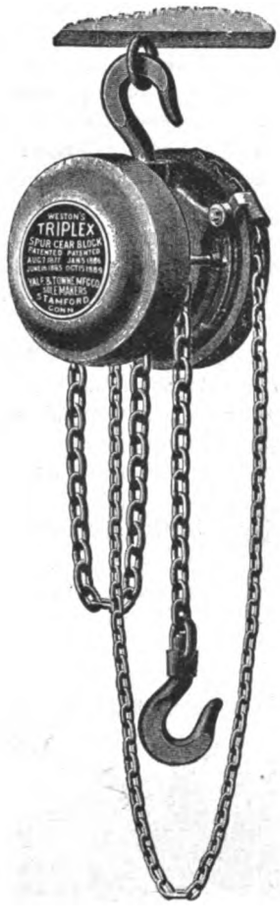


FIG. 2.

we are permitted to illustrate two of the lines shown in that publication. In Fig. 1 is seen a sample of the Yale Duplex Convertible Screw Block, which the company describe as the latest addition to the line of Chain Blocks made by them, and as "intermediate in efficiency and price between the Differential and Triplex types, and adapted to the widest range of uses." They add that "as indicated by its name, Screw Block, the leverage by which the hoisting capacity is obtained is that of a screw or, more properly, a worm and worm wheel. The device by which the load is sustained, and which acts in conjunction with the worm, is capable of conversion at the will of the operator so that a dispatch lowering action may be obtained when so desired." The detailed figures as to capacity, price, etc., may be found in the following:

Capacity In Tons.	Price Complete.	Hoist.*	Price Extra Hoist.		Net W'ght in Lbs.
			First Foot.	Additional Foot.	
½	$25.00	8	$1.80	$1.52	43
1	30.00	8	1.85	1.56	57
1½	40.00	8	1.95	1.60	76
2	55.00	9	2.00	1.64	110
3½	90.00	10	2.25	1.88	210
5	140.00	12	2.40	2.00	340
7	175.00	12	3.55	2.96	378
10	260.00	12	3.85	3.20	570

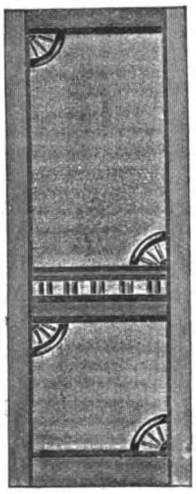
*Note.—Figures denote height in feet which blocks, with regular lengths of chain, will hoist from level on which operator stands.

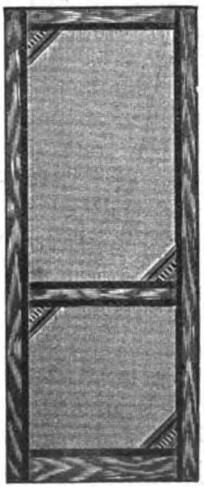
In Fig. 2 may be seen an illustration of the Yale-Weston Triplex Spur Gear Block, which, in this case, is shown in the direct form, without the lower block. The company state that it has "an actual efficiency of 79 per cent., or nearly three fold that of any other block, and constitutes a most remarkable advance upon all previous inventions in this class of machines." They add: "The trade name Triplex (Latin for three-fold or triple) has been adopted for this block because it has the three following important features, viz: 1. A triple gear, having the equivalent of three parallel shafts, each pair geared together. 2. A triple sun-and-planet-wheel motion, with three pairs of double pinions, ensuring equal distribution of the load and large wearing surfaces. 3. Three-fold efficiency of its predecessors."

In further description of the line they also say: "For sizes above two tons capacity the Triplex Block is made in the 'combination' form, in which, by using as many parts of a chain as may be required, the capacity of the Triplex Block may be multiplied to any desired extent, retaining the high efficiency of the direct block. Two forms of Triplex Combination Block are made, to meet the practical requirements. Type A is made with a wrought iron yoke, from one end of which the Triplex Block is suspended, while the end of the chain, or in larger sizes, the upper sheave, is held at the other end. The yoke is carried by the single upper hook and the entire combination is self-contained. This is the form more generally used, and meets the usual requirements completely. Type B omits the yoke, and uses instead two hooks, the Triplex Block and the upper sheave being separately suspended. This form is adapted for use with trolleys for overhead tramrail, or for permanent suspension from fixed eye bolts. The difference between Type A and Type B consists entirely in the mode of suspension; by varying the sheave combinations either form can be adapted to any capacity desired." Those who are interested, should not fail to send for a copy of this little book.

The Standard Oil Screen Door.

The A. G. Phillips Co., Fenton, Mich., manufacturers of wire screens, snow shovels and other specialties, have improved the design of their Standard Oil Screen Door, by cutting a scroll in the edges of the corner brackets, which practically makes a new pattern. This adds to the appearance of the door, and now gives the company what they state to be "one of the handsomest of cheap varnished screen doors." In this door the materials and workmanship are good, but the design permits rapid manufacture, and





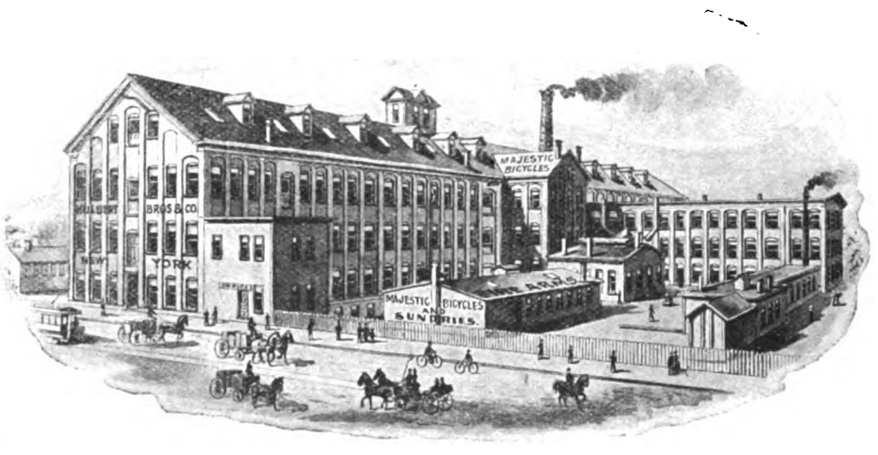
but one coat of varnish is used, enabling them, as the company say, to "make extra low prices and yet produce excellent value." The company stand very high in that line of goods, and by push and energy and continuous presentation of their goods to the public, have built up a very large and successful trade.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the town of Houlton, Me., a new iron bridge 300 feet long and 18 feet wide, with a sidewalk 5 feet wide. The Bridge Co. furnished the entire bridge, substructure and superstructure complete.

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Bicycle and Revolver Factory.

The accompanying illustration shows the firearms and bicycle factory of Hulbert Bros. & Co., located at Norwich, Conn. This business was established in 1865 on an extremely moderate scale, and has been in constant operation as well as of constant growth, ever since. The company is a close corporation owned for many years, and still jointly, by Messrs. Hopkins & Allen and Messrs. Hulbert Bros. & Co. For this reason most of the goods produced bear both the names Hopkins & Allen Mfg. Co. and Hulbert Bros. & Co. The building is equipped with the best automatic machinery throughout, electric lighted and strictly up-to-date. In fact no pains or money has been spared to make it absolutely complete and efficient. From the rough forging to the finished piece every operation is made on the premises, and it is in this way that goods of the quality produced are put upon the market at prices which commend themselves. All the shipping or orders and the handling of repairs are made at Norwich, while all the selling, correspondence and collections are transacted in the New York office. The building is four stories, of brick, running from street to street, and is built on the best fireproof plans. The floor space is about two acres, and the machinery being arranged largely in aisles, is perhaps easily gauged by the fact that there is one and one-half miles of it. The top floor is used for woodworking, such as gun stocks, fore ends, rims, etc., and the rear part of the same floor is used for the testing room—a most important department in every factory. The third floor contains the tool room and machinery for working small parts. The second floor is used chiefly for heavy machinery and stock room, with the assembling room on the first floor, and engines, dynamos and boilers in the cellar. The many duties in this plant are under the guidance of a corps of superintendents, each one being in full charge of his department, which departments are divided as follows: Woodworking, tool room, automatic revolver department, regular revolver department, rifle department, bicycle department, and specialty department. The two revolver and rifle departments manufacture about 200 varieties of firearms, ranging in price up to $25 each, with a minimum product of 250,000 arms per annum. The bicycle department makes but one grade, the very best, and makes this grade in four sizes; the minimum production being about 15,000 wheels. In the specialty section are made bicycle sundries, such as pumps, cycle grips, etc. The L is used for storage, shipping and repair department and the smaller buildings seen in the cut are the brazing and enameling rooms. All together, from bottom to top, the factory is complete in every detail for modernism, and unusually adapted to produce the highest class of work at the lowest cost.



The American Wringer Co. have recently fitted up in their new quarters at No. 29 Cornhill, Boston, which were formerly occupied by the Colby Wringer Co., one-half of their store for the stock and display of Bissell Carpet Sweepers. They will make a very attractive display in their windows and their outside advertising shows the high regard in which they hold the Bissell sweepers.

A Confidential Proposition.

Under date of January 10, 1896, the Troy Nickel Works make the following confidential proposition, which we hope every reader of *Hardware* will secretly preserve in his own bosom:

Fifty-million-dollar bonds will be placed on the market, providing we can get takers. It don't matter whether we can get gold or silver, one or the other will answer. We don't say that it will require this amount to move Alaska Knobs, Pokers, Lifters, Pipe Dampers and other specialties of our make, during the year of 1896. But, you know, the balance above our wants would be handy to have about the house, or when calling upon the trade. No bonds will be issued for less than one million dollars, as we do not want too many people interested. This call holds good until we get the money. This is open to only a few and we ask that you keep it confidential. Address all orders to Troy Nickel Works, Troy, N. Y.

Hardware Buyers' Association.

H. C. Marshall, having left New York and connected himself with the Marshall-Wells Hardware Co., of Duluth, Minn., the houses which he represented in New York, have joined each other in an organization known as the Hardware Buyers' Association, and have become incorporated under this title. Their headquarters will be at No. 107 Chambers Street, New York, in charge of W. B. Paulscraft, who will continue the work on the lines laid down by Mr. Marshall. The houses belonging to this Association are as follows: W. B. Belknap & Co., Louisville, Ky.; Bigelow & Dowse Co., Boston, Mass.; Dunham, Carrigan & Hayden Co., San Francisco, Cal.; Farwell, Ozmun, Kirk & Co., St. Paul, Minn.; the McIntosh-Huntington Co., Cleveland, Ohio.; Morley Bros., Saginaw, Mich.; Richards & Conover Hardware Co., Kansas City, Mo.; Stauffer, Eshleman & Co., New Orleans, La.

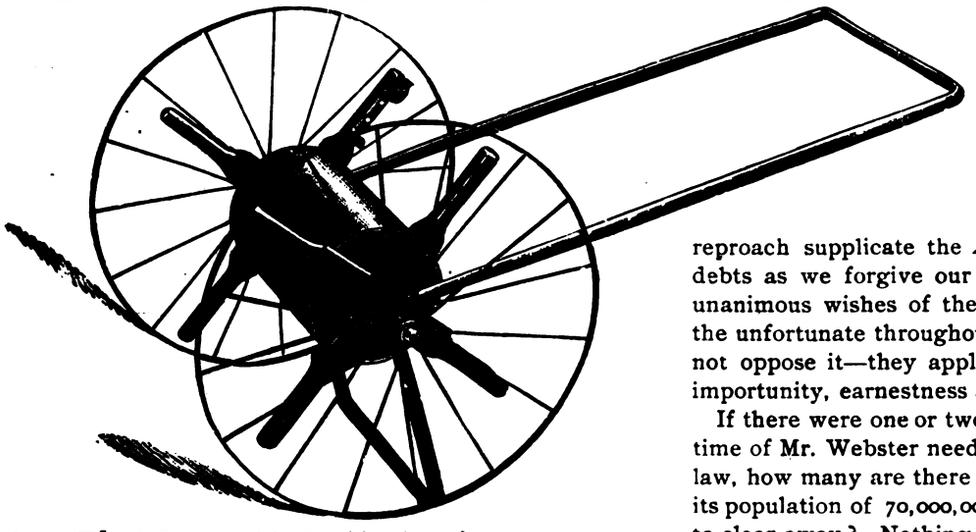
The annual meeting of the St. Johns, N. B., Iron & Hardware Association was held some evenings since at the Board of Trade rooms in St. Johns. The following officers and committee were elected: President, W. A. Thorne; vice-president, Thomas McAvity; secretary-treasurer, John J. Barry. Directors: J. C. Robertson, R. B. Emerson and S. Hayward. Executive committee, the officers and directors. Wholesale committee: W. H. Thorne & Co., T. McAvity & Sons, S. Hayward & Co., Kerr & Robertson, M. E. Agar, J. C. Robertson & Co. and Emerson & Fisher. Manufacturers' committee: J. C. Robertson, of the Portland Rolling Mills Co.; Geo. Ketchum, of I. & E. R. Burpee & Co.; Jas. Pender, of James Pender & Co.; R. B. Emerson, of Emerson & Fisher; Geo. McAvity, of T. McAvity & Sons; John Robertson, of J. Robertson & Co., and S. Sheraton, of Sheraton & Whittaker.

R. Nuttall & Son, Hardware and house furnishings, Nos. 1501–1505 South Second Street, Philadelphia, Pa., are sending their friends a handsome calendar for 1896. The company deal in lamps, glassware, queensware, tin, wood and willow ware and toys and novelties.

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The "Toledo" Hose Reel.

The Toledo Metal Wheel Co., Toledo, Ohio, are placing on the market, with no small degree of success, the "Toledo" Hose Reel, illustrated in this connection. It is of steel frame, axles and wheel; is warranted by the makers not to swell or shrink; is described as light, handsome and strong. The numbers, sizes and prices are given as follows:



No. 1, Wheel Tires 9-16 inch wide, list, $30.00 per dozen. No. 2, Wheel Tires 1 inch wide, $36.00 per dozen. Wheels 20 inches diameter, tinned. Cylinder 12 inches wide. The company will be pleased to fill a sample order, and quote discounts on application.

Spaulding & Pepper Co's. New Factory.

The handsome new factory here shown was recently erected and occupied by the Spaulding & Pepper Co., Chicopee Falls, Mass. It is of brick, three stories high, and is 100 by 50 feet in size, with a one story annex, 100 by 40 feet in dimensions. The works are run by a two hundred horse power Slater engine and two Hennessy boilers. The factory also contains a washer, three mixing mills, 16 by 40; one mixer, 26 by 60; one three roll calender, four hydraulic presses, one vulcanizer and a machine shop. The rubber machinery was furnished by the Farrel Foundry & Machine Co., Waterbury, Conn.

This great establishment is devoted to the manufacture of bicycle tires, and has a capacity of one thousand tires a day. The company employ one hundred hands.

The interests of the Spaulding & Pepper Co. are in the hands of men who understand the business from beginning to ending. Charles L. Pepper, treasurer and manager, was formerly connected with the Overman Wheel Co., and H. A. Middleton, the superintendent, is well known to the trade.

There will be six styles of single tubes made in the new factory, and one inner tube tire. The L. C. Smith Tire Co., Syracuse, N. Y., have contracted with the Spaulding & Pepper Co. to make and sell the L. C. Smith detachable tire for the coming season on a royalty; the patent rights remaining the property of the L. C. Smith Tire Co. The headquarters, which had been in Syracuse since the organization of the company, were closed after January 1, remaining open until that time to make necessary repairs and keep up the guarantee on the tires which had been sold during the past season. It is expected that the Smith tire for '96 will be somewhat improved, particularly in the quality of the rubber goods; but the mechanical device has been proven to need no change.

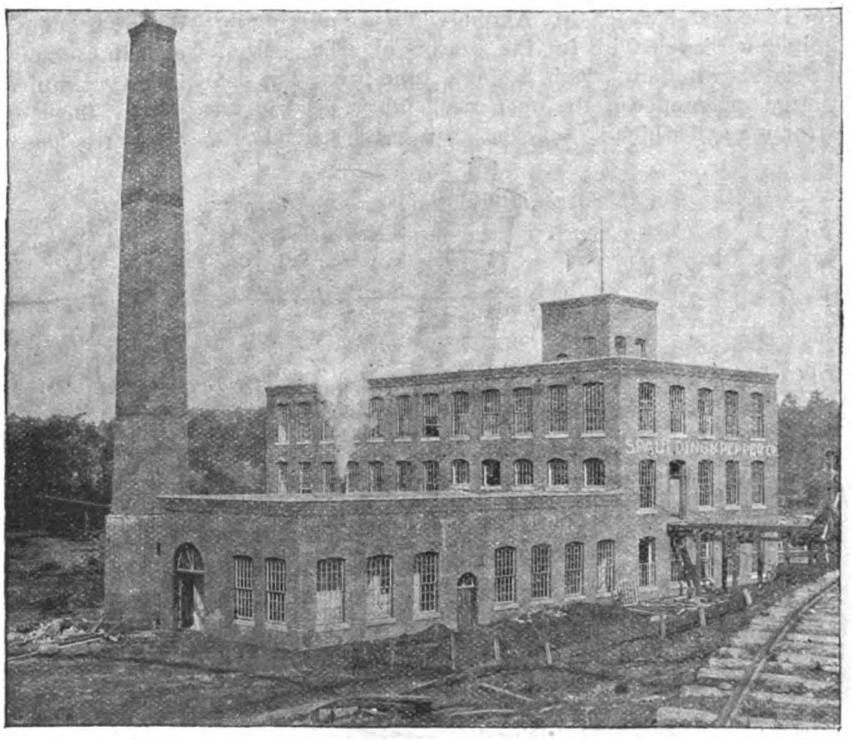
Daniel Webster and a National Bankruptcy Law.

"There are probably one or two hundred thousand debtors," said Mr. Webster, "honest, sober and industrious, who drag out lives useless to themselves, useless to their families, and useless to their country, for no reason but that they cannot be legally discharged from debts in which misfortunes have involved them, and which there is no possibility of their ever paying. . . . Can we lay our heads upon our pillows and without self-reproach supplicate the Almighty Mercy to forgive us our debts as we forgive our debtors? Sir, let us meet the unanimous wishes of the country and proclaim relief to the unfortunate throughout the land. . . . Creditors do not oppose it—they apply for it; debtors solicit it with an importunity, earnestness and anxiety not to be described."

If there were one or two hundred thousand debtors in the time of Mr. Webster needing the operation of a bankruptcy law, how many are there in the United States to-day with its population of 70,000,000 and with the debris of a panic to clear away? Nothing apparently but the natural inertia of a large body like Congress stands in the way of action which would do more, perhaps, than any other single measure to start the wheels of commerce moving in the right direction.

Why can't the leaders in both political parties get together and promptly enact a bankruptcy law that will be simple, quick and cheap in its operation?

The several salesmen of the Bissell Carpet Sweeper Co. spent a week of their holiday vacation at the factory and office of the Bissell Co., Grand Rapids, Mich. They have just started off on their respective trips, and will cover about the same territories as last year. The many new features that the Bissell Carpet Sweeper Co. expect to bring out this year will be very ably advocated by this excellent corps of men. Never were the prospects brighter for the Bissell Carpet Sweeper Co. than they are for the coming season.



SPAULDING & PEPPER CO.'S NEW FACTORY.

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Trenton Cyclometers.

The Trenton Watch Co., Trenton, N. J., are offering for the season of '96 three new cyclometers, models A, B, and C. Model A weighs 2¼ ounces and registers 1,000 miles

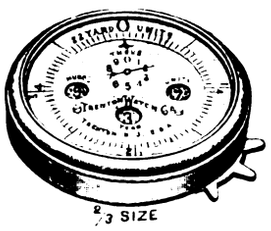


FIG. 1.—MODEL B.

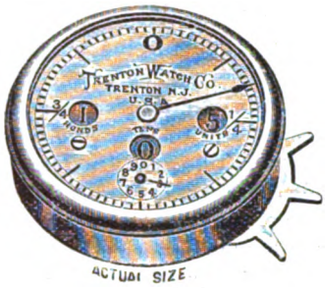
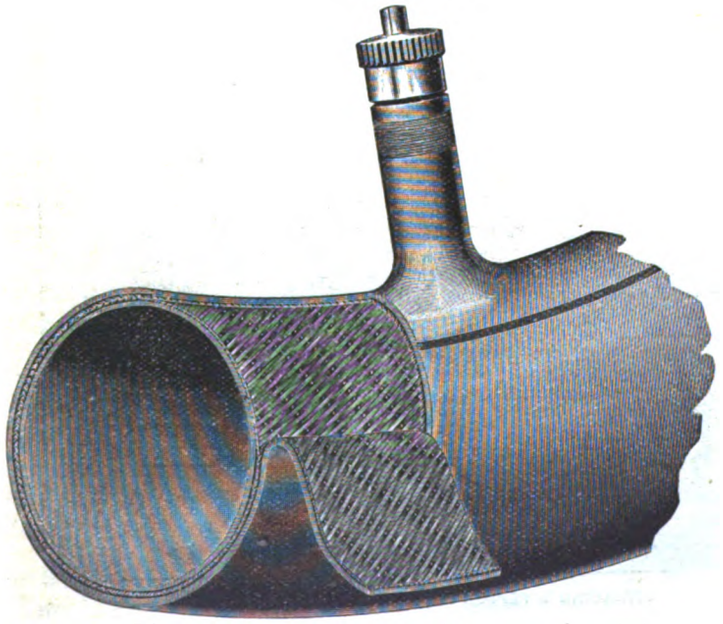


FIG. 2.—MODEL C.

and repeats. Model B weighs 2¼ ounces and registers 10,000 miles and repeats. Model C weighs 1¼ ounces and registers 10,000 miles and repeats. The following points of excellency are said to be possessed by the Trenton cyclometers: Small size, handsome appearance, absolute accuracy, strength and durability, noiseless and positive action, extreme lightness, dust proof and waterproof, can be read at a glance from the saddle, beautiful satin finished aluminum dials which will not break or crack, polished aluminum case, which is but ⅓ weight of nickeled brass; scientific construction and careful inspection of all parts, can be run backward or forward at a high rate of speed without danger or injury to instrument or bicycle.

The Diamond "A" Road Tire.

The Diamond Rubber Co., Akron, Ohio, are offering an entirely new Bicycle Tire for the season of 1896, cut of which is shown here. It is a single tube tire. The cut shows the appearance of the open-mesh fabric used in its construction and which is believed to possess special advantages. The tire weighs four pounds per pair and is made in sizes from 22 to 30 inches by 1½ to 1¾ inches. It is remarked that the tire is durable and possesses resilience to a high degree. Roger B. McMullen & Co., Chicago and New York, are the selling agents for these tires.



Some Specialties of the '96 Lyndhurst.

One of the features of the '96 Lyndhurst, manufactured by McKee & Harrington, Nos. 173 to 179 Grand Street, New York, will be a double cone for the crank axle, as shown in Fig. 1. Both cones are turned in one piece, from

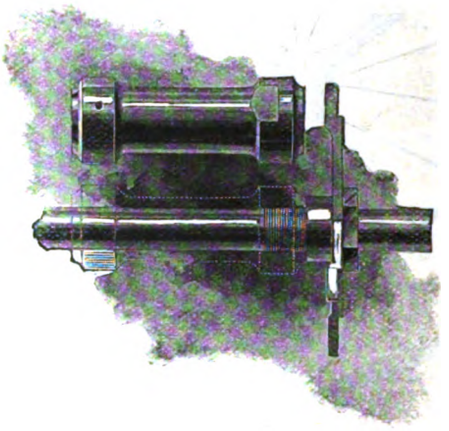
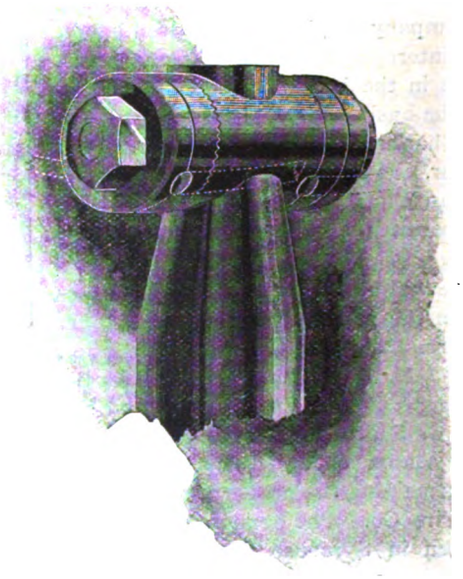


FIG. 1.

solid metal, tempered in oil and drawn to color instead of being case-hardened, and are ground into line on their individual axles in such a manner, it is remarked, that it is impossible for one line of balls to become out of true with the other. The cone is squared for a wrench, by which it can be screwed tightly against a shoulder end and, after being set-screwed, it is said to be impossible for it to become loose on the axle. Another feature of the Lyndhurst will be an adjustable seat post, making it possible to adjust the saddle to any angle and at the same time capable of being brought forward or backward. All the company's wheels will be fitted with a seat post which has three ranges of adjustment—raised or lowered, tilted up or down; brought forward or backward—a range of four inches in each direction. As is seen in cut its construction is very simple, consisting of four disks bolted to the post proper, these disks are milled in such a manner as to allow of the free passage of the springs of the saddle, as shown



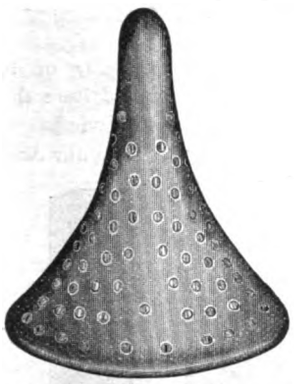
F.G. 2.

by the dotted lines in Fig, 2. As they revolve on the bolt as a pivot, any angle may be obtained. The disks being dovetailed, the position is securely locked. Any saddle of the two-round-spring pattern may be used.

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Detachable Saddle Top for Climax Spring Wire Saddle.

The Climax Mfg. Co., East Hampton, Conn., are offering the new '96 Climax Spring Wire Saddle with a detachable



laced cover, as shown here. The cover is referred to as being made of the finest quality of russet calf, and as giving the saddle a very finished and dressy appearance. Covers, it is stated, will be put on all of the company's saddles the coming season.

The F. and B. Air Tight Valve.

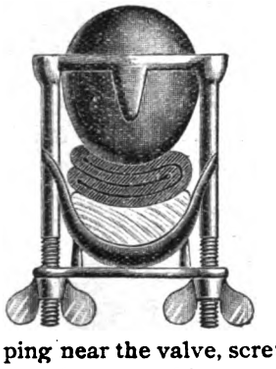
L. K. Buck, No. 82 Nassau Street, New York, has brought out the F. and B. Air-Tight Valve for pneumatic tires, as shown in the accompanying cut. It is a quick adjustable valve, simple in construction and made on entirely new

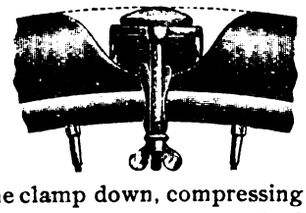


principles. It has the standard pump connections and will, it is said, fit any tire, and needs no wire cutting to adjust it. It is remarked that the action of this valve is perfect.

The Pneumatic Corker.

Anson Searls, No. 95 Passaic Street, Newark, N. J., is offering the Pneumatic Corker as here shown. It is a hollow rubber ball set in an adjustable clamp. Its office is not to mend the tire, but simply to compress it where it is punctured, thus preventing a leak and allowing the rider to get to a repair shop without trouble. In use the compression under the clamp drives the air into and inflates the top, making the pneumatic tread at the point where the tire is pinched, the ball taking the place of that part of the injured and compressed tire. The device is usually secured to the saddle post when not in use. When needed it can be applied in a few seconds, and lasts, it is remarked, almost indefinitely in case a permanent repair of the tire is not convenient. For tires having an inner tube lap-



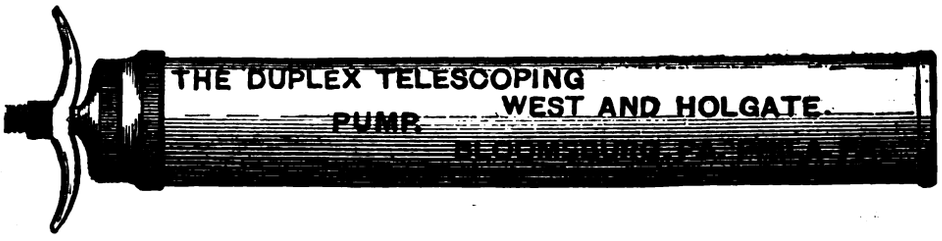


ping near the valve, screw the clamp down, compressing the tire about two-thirds, not enough to prevent the air from running under the ball through the tube. Then inflate the tire fully and screw the clamp until the top of the ball is about even with the tire and firmly clamped thereon.

Duplex Pneumatic Tire Pump.

The accompanying cuts show the Pneumatic Tire Pump which West & Holgate, Betz Building, Philadelphia are putting on the market. The novel feature in this pump is its telescopic action. Owing to the length of stroke obtained from this method of construction, it is remarked that a tire is filled after 35 or 40 strokes, or about half the number required where ordinary single acting pumps are used. The piston runs the length of the smaller tube only, the valve on the plunger having its seat at the top of the lower tube. In operation both tubes are at work, causing a long stroke which materially shortens the operation of

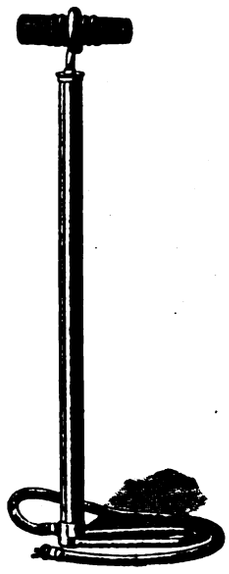




filling a tire. The casings and piston are of brass, with steel tips, and the weight of the pump is about three and one-half ounces.

"Comet" Tire Inflator.

The Bridgeport Gun Implement Co., Nos. 313 and 315 Broadway, New York, are offering the "Comet" Tire Inflator as shown in the accompanying cut. The barrel is of hard, drawn seamless brass tubing, stiff as steel; highly polished and nickeled, as are all the parts of this pump. The rod is of steel, guided through the cap by a sleeve of sufficient surface to resist wear, and guided in the barrel by a long plunger head which protects the bucket from wear. The handle is of wood and is detachable and compensating for any wear or shrinkage, by merely turning it a little further in the ring of the rod, leaving, it is said, no possible chance of splitting or breaking. The foot piece is of steel, and when not in use, it is explained, may be folded in line with the barrel; when this is done and the handle laid along the barrel, the whole makes only a neat roll that fits easily in valise or trunk or may be strapped on to bicycle. The nipple to which the rubber tubing is attached is threaded into solid metal and has a valve, with bronze ball, that can never rust, and, it is said, may be removed for cleaning, if ever necessary. The pump is said to give double the air pressure of any other foot-pump, with one-quarter the exertion. It is equipped with Universal coupling. The length of barrel, 15½ inches; diameter of barrel, ¾ of an inch.



F. J. Groner, M. D., a well-known physician, read a paper some days since before the Grand Rapids (Mich.) Medical Society, in which he spoke as follows of the bicycle saddle that is being manufactured by the Automatic Saddle Seat Co., of Grand Rapids. After speaking of the saddles from a hygienic standpoint, he referred as follows to the one we have above named: "Some of our Grand Rapids people have gotten up the best saddle—everything considered—that I have yet seen on the market to overcome the objectionable features in a saddle that I have mentioned. It is a divided seat saddle, each section of the seat working with the motion of the leg. The seat can be widened to fit the rider, giving it the required opening in the centre. The Automatic Bicycle Seat allows the rider to propel his machine with facility and comfort. Its advent should be hailed with pleasure. You have something to sit on—you are not riding a rail. It is my opinion that this seat removes a positive danger from one of the most healthful of all forms of exercise."

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The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Foothold Dust Pan.

The O. M. Barber Stamping Works, Nos. 4-6 Harrison Avenue, Port Richmond, N. Y., are placing on the market the Foothold Dust Pan as represented here. In use the



foot is placed on the foothold as seen to the right of the illustration. Stepping naturally on it causes the pan to press closely to the floor. To move the pan from place to place, at the same time taking up the dust, the broom is placed on the front of the pan and lifted with the toe. The broom steadies the pan and prevents the dust from falling out. The point is made that the pan is a preventative against diseases arising from inhaling poisonous dust.

Moore's Storm Window Fastener.

The Stanley Works, New Britain, Conn., and No. 79 Chambers Street, New York, are offering the Storm Window Fastener as shown here. Fig. 1 shows the inside fastener. It is explained that with this fastener, storm windows can be adjusted from the inside in a minute with-

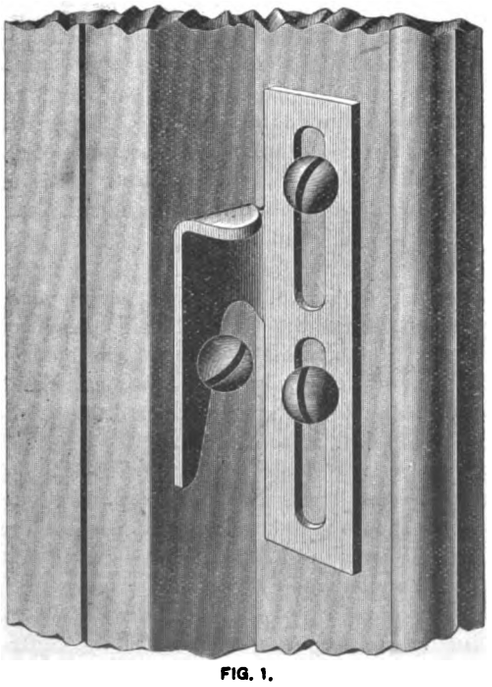


FIG. 1.

out the use of a screw driver or other tool than a small hammer, doing away with the inconvenience of climbing a ladder, and the windows are held in place more securely than in any other way yet invented. The cut shows the method of attaching the fastener, the flat surface being screwed to the storm sash, and the point mashing on to a screw in the edge of casing. The fastener is driven down with a small hammer, thereby drawing the windows as tight as desired. Fig. 2 shows the outside fastener which

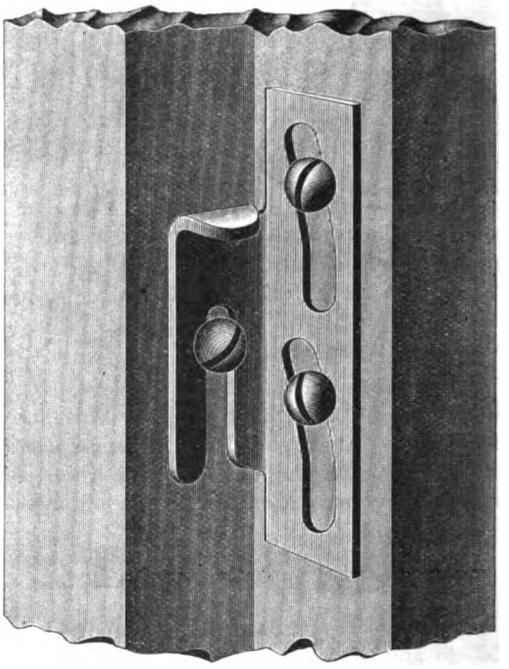


FIG. 2.

is designed to be used on any windows where it is not convenient to use the inside fastener. The method of attachment and adjustment is similar to the method used in connection with the inside fastener. The fasteners are made of wrought steel.

Stanley's Universal Plane.

The Stanley Rule & Level Co., No. 29 Chambers Street, New York, are offering the Plane represented in the accompanying illustrations. As shown in Fig. 1, it consists of a main stock, A, with two sets of transverse sliding arms, a depth gauge, F, adjusted by a screw, and a sliding cutter with stop. The letter B refers to the sliding section having a vertically adjustable bottom. The auxiliary center bottom C is designed to be placed in front of the cutter as an extra support or stop when needed. This bottom is adjustable both vertically and laterally by means of thumb screws and nuts provided for the purpose. In connection with the tool are two fences, E and D. The latter fence has a lateral adjustment by means of a screw for extra fine

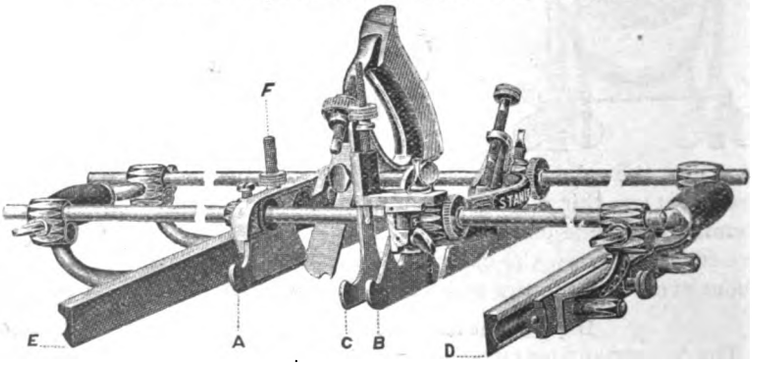


FIG. 1.

work, while fence E can be reversed for center beading wide boards. The fences can be used on either side of the plane, and the rosewood guides can be tilted, by simply loosening the screws on their faces, to any desired angle up to 45 degrees. When beading the edges of matched boards an adjustable stop is inserted on the left hand side of the

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sliding section marked B. With each plane the makers furnish 52 cutters, thus permitting a very wide range of work. In Fig. 2 is the tool as it appears when used as a molding plane. In order to employ it for this use, the desired cutter is inserted and the bottom of the sliding, section B, Fig. 1, is adjusted to conform to the shape of the cutter, after which the section is firmly fastened by means of the check nuts on the transverse arms. When so required the auxiliary center bottom can be adjusted for additional support in front of the cutter. By tilting the rosewood guides on the fences E and D, moldings of various angles may be formed. For dado work the fences may be removed and the spurs set parallel with the edge of the cutter, after which a long adjustable stop is inserted on the left hand side of the sliding section. To use the tool as a slitting plane the proper cutter and stop are inserted on the right hand side of the main stock and either fence can be used as a guide. When the tool is used for chambering, the desired cutter is inserted, the fences are fastened on each side of the plane and the rosewood guides are tilted to the desired angle. The company manufacture a large number of cutters which can be used with this tool and will furnish special cutters to order, or blanks from which the workman can fill up any form he may require. The point is made by the makers that the arrangement of parts is such that in the hands of an ordinary carpenter the tool can be employed for all lines of work covered by a full assortment of so called fancy planes.

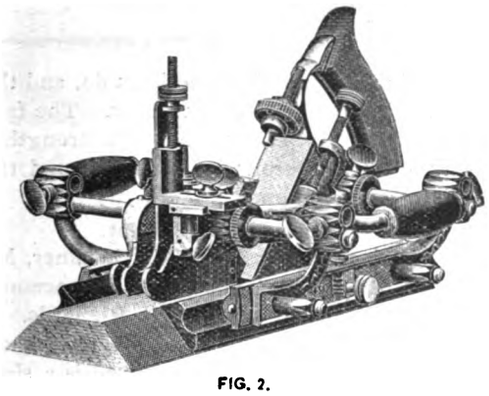
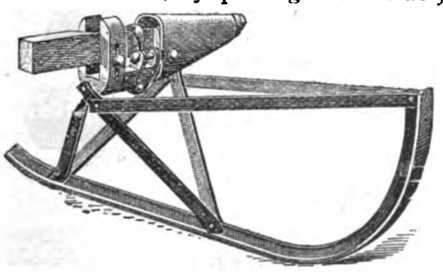


FIG. 2.

Schofield's Steel Runner Attachment.

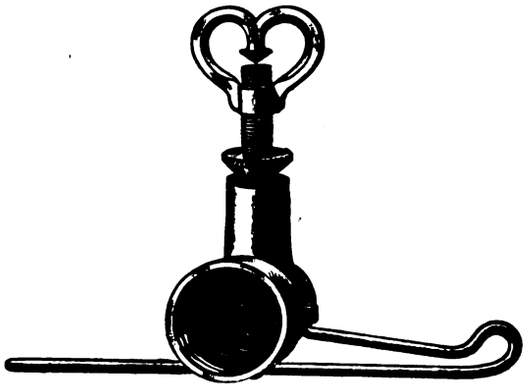
Duane H. Nash, Millington, N. J., and No. 30 South Canal Street, Chicago, Ill., is placing on the market the Steel Runner Attachment as shown herewith. The runners are made entirely of steel and to fit all kinds of spring wagons and buggies, from the lightest size up to a 2-inch axle. The runners are provided with patent clamp fastenings, which are clamped to the square part of the axle, to relieve the spindles from all strain. It is explained that the fastenings can be attached so as to set the runners on the wide track if desired, by placing the inside jaws only



on the square part of the axles and the outside jaws on the spindles, giving the runners a range of adjustability. The oscillating bearings are below the axles; therefore, it is stated, there is no inclination to tip over in front. It is remarked that the principle upon which the runners are made and the material used in them secure the greatest possible strength with the least possible weight.

The Duplex Adjustable Sprinkler.

The Adams & Westlake Co., Chicago, Ill., are manufacturing the Duplex Adjustable Sprinkler, as here shown. It has no revolving parts and is therefore not liable to become clogged or to otherwise get out of order. The screw top enables it to be adjusted to high or low water pressure, to make a fine mist or heavy shower, and to use all kinds of



water. It can be used as a nozzle for washing windows. The device is made of brass, and nickel plated. It is packed singly in a pasteboard box and one dozen in a handsome display case.

The Eureka Carpet Tack.

The Eureka Carpet Tack Co., Nos. 312 and 314 Terrace, Buffalo, N. Y., are placing on the market the tack represented in the illustration. It is explained that the tack can be drawn with the greatest ease without injury to the carpet and with an ordinary tack claw; that it is easily driven; that the extended head



holds the carpet firmly and that the head forms no obstructions at door sills, as the nap of the carpet rises above the head, avoiding danger of stumbling. The New York agent for the tacks is W. H. Jacobus, No. 90 Chambers Street.

Columbian Novelty Co.'s Covered Glassware.

The Columbian Novelty Co., West Troy, N. Y., are placing on the market improved Oil Cans, Molasses Cans, Vinegar Cans, and Demijohns made of glass and covered with fibre as shown in accompanying cuts. A loop ¼-inch deep in the bottom of the covering keeps the bottom of the can from the floor. It is remarked that these cans may be washed and cleansed thoroughly, and are so constructed that they will stand any amount of pounding without breaking, also that the can may be set anywhere with the certainty that it will not leave an oil spot. It is explained that there being no obstruction at the bottom the can is transparent, and the quantity of liquid contained may be determined any time.



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Bissell's Child's Sweeper.

The Bissell's Child's Sweeper, that had such an unlooked for sale prior to the holidays, the manufacturers say, has come to stay, and is destined to become an all-year-round



article. The housefurnishing trade say they will be used very generally as hearth brushes, a point which was not taken into consideration when the manufacturers first produced them. The accompanying illustration shows the article.

The Magic Nozz'e and Cyclone Sprinkler.

W. D. Allen & Co., No. 151 Lake Street, Chicago, Ill., are offering the Magic Nozzle and the Cyclone Sprinkler, illustrations of which appear herewith. The Magic Nozzle, Fig. 1, is a spray and solid stream nozzle which throws various varieties of sprays, varying from a fine mist to a



FIG 1.

solid stream; which, it is remarked, includes a spray that closely resembles the falling of rain drops. It is explained that it does not get out of order easily, and being fitted with a detachable tip, more than one sized stream can be obtained. The workmanship and material employed in the construction of these nozzles is said to be of a superior order. The Cyclone Sprinkler, Fig. 2, is one that will throw either a full or half circle, throwing, it is remarked, as much water on the half as on the full. It is pointed out that this half circle feature is a great advantage to anyone wishing to sprinkle his front lawn without wetting the sidewalk and passersby: being attached to a sled-like base, it can be easily moved about the lawn by the operator without turning off the water or getting wet. The actions of

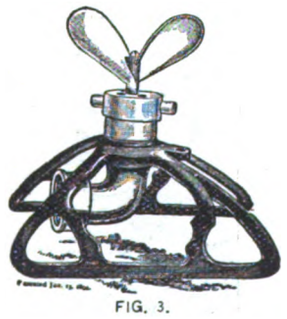
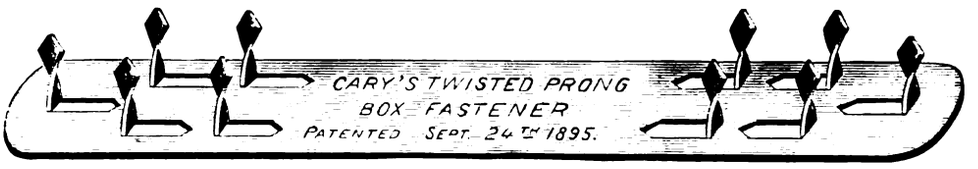


FIG. 3.

the revolving parts, it is explained, are very free and smooth, which is a great feature in revolving sprinklers, especially where there is none too much pressure.

Cary's Twisted Prong Box Fastener.

The Cary Mfg. Co., Nos. 5 to 9 Elm Street, New York, are offering a Twisted Prong Box Fastener as represented here. The advantages claimed for the fastener are as follows: That the twist strengthens the prongs; that the points are turned so that they usually start in the wood with the grain or less directly across it than with a straight prong; that it does not cut the wood as much as a flat prong driven directly across the grain; that as it is driven it assumes a screw-like action; that the twist allows the prong to pass to one side or to turn more with the grain in hard places of the wood, thus holding better against obstructions of this kind; that it does not crush down on the



wood as a straight prong will sometimes do, and that it approximates the holding power of a screw. The fastener is intended for use on the corners of boxes to strengthen them, and also on the sides where there is a strain and the package is liable to be forced open.

An Improved Axle Point.

The Wentworth Spring & Axle Co., Gardiner, Me., have introduced the Axle Point shown in the accompanying cuts. It is the invention of John E. Richards. The improvement consists of a washer D, on a conical neck F, and a flange, G, in the nut. The result sought is a simple and inexpensive axle point for light work that shall have the oil retaining capacity and cleanliness of the double nut for heavy work, and also be applicable to all axles. In operation, before the wheel is put on the arm, the oil-retaining and anti-rattling washer or packing, D, is screwed on over the thread. It is explained that the washer should fit so tightly that it must be screwed on, and that if so fitted it



FIG. 1.

will not pull off when taking off the wheel, but that when the wheel is removed the washer, D, will slip down on the small part of the neck, F, the wheel then easily coming off over it. When the nut is screwed up the flange, G, presses the washer, D, back on the part of the neck, F, thus expanding it against the inside of the box, making an oil-tight joint and a cushion to prevent rattle. The makers state that the improvement has been thoroughly tested on many vehicles with unvarying success; that the nuts are kept absolutely clean; that oil is prevented working around the box into the hub; that vehicles furnished with the improved point on "Long Distance axles" have been run six months without recoiling, and that it allows a small axle to be furnished for light work with every advantage that a

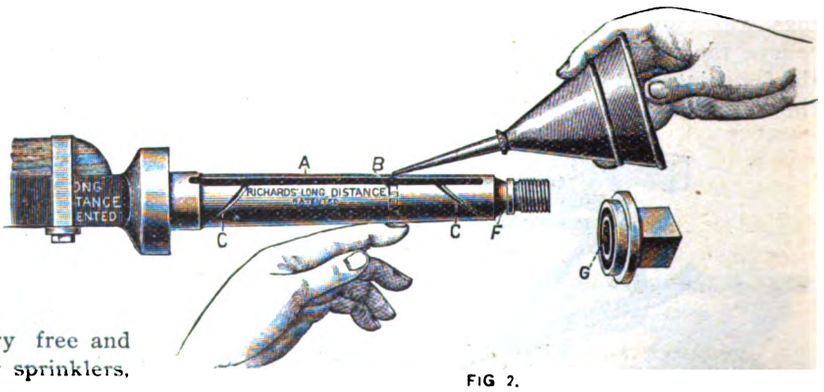


FIG 2.

double nut axle possesses, and with the addition of an anti-rattling cushion. It is shown that with this improvement it is unnecessary to screw nuts tight to keep oil on the axle arm. The improvement has been patented.

The Eureka Mole Trap.

The Atwater Mfg. Co., Southington, Conn., are placing on the market the Mole Trap as shown here. In Fig. 1 the trap is illustrated set, the uplifted ground being previously pressed down the length of the trap. The trap is placed

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lengthwise on the burrow, with the trap pan, or flat piece, at the centre of the trap pressed firmly on the ground. The trowel, Fig. 2, has notches along the edges of the blade, around which one of the wires is placed, and the trowel

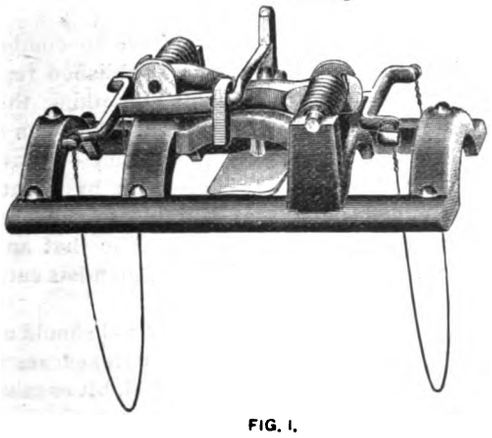


FIG. 1.

is inserted into the burrow between the openings at one end of the frame. The trowel is withdrawn and the other wire similarly treated, leaving the wires in the burrow. The arms are folded down as in Fig. 1, the trap set by a wire catching in a notch connected with trap pan, and the wires are attached to the arms of the trap. As the mole burrows under either end of the trap its head passes through one of the wires, and when its head comes in contact with the trap pan the pan is raised, springing the trap and drawing the wire tight under the animal, Fig. 3. The



FIG. 2.

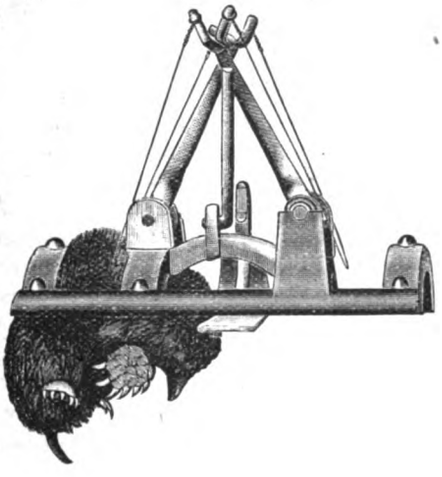
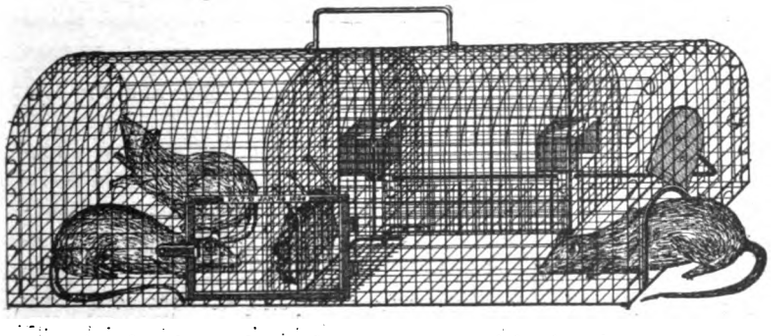


FIG. 3.

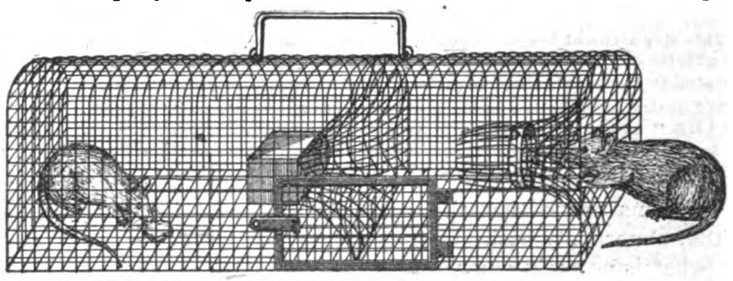
makers remark that the trap is practical, as it actually catches the mole, and that there is no getting away from it, that children and animals on the lawn cannot be harmed by it, and that the trap is easily set and operated. An instance is cited of one man catching eight moles from one hole with one of the traps.

Rat and Mouse Traps.

The Smith & Egge Mfg. Co., Bridgeport, Conn., have been so successful in the making and selling of their old reliable lines of goods, and have established so sound a



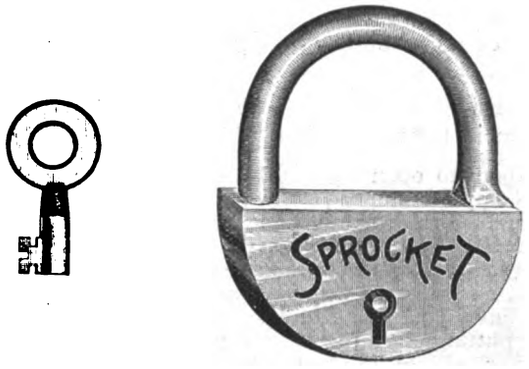
reputation for themselves, that any new article they introduce is looked upon by the trade as first-class and reliable in every respect. This holds good in connection with the new Rat and Mouse Traps which they are now successfully introducing and illustrations of which are here shown. The company call especial attention to the fact that these Traps



are well made, strong, and well adapted for the capturing of vermin for whose destruction they were created. They add that both Traps have been carefully and repeatedly tested, and that they "offer them to the trade feeling assured that they will give entire satisfaction." They will be pleased to send prices and descriptive circulars on application.

A Sprocket Lock.

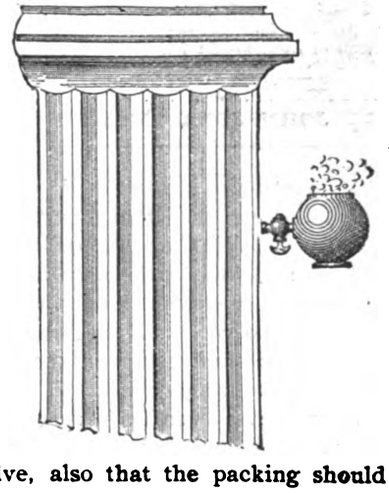
Ryan & Neefus, No. 75 Chambers Street, New York, are placing on the market a new Sprocket Lock No. 1896, made in plain bronze, also bronze nickel-plated. The ac-



companying illustration is the exact size. They will be pleased to send prices on application.

The Vapor Valve.

The Vapor Valve Mfg. Co., No. 26 Cortlandt Street, New York, are offering the Vapor Valve as shown here. It is designed for use in connection with steam pipes or radiators. The manufacturers claim that by its use the air in a room can be kept moist and consequently healthy, and that the valve may be used as a deodorizer or disinfector, a few drops of kreasole, trikesol or sanitas placed on the packing of valve, having the immediate effect of perfuming the apartment. It is remarked that steam escaping through this valve makes no noise whatever. It is stated that anyone can attach the valve to the radiator and that it must be attached to the smooth, or on opposite end from



water or drip valve, also that the packing should be renewed occasionally.

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ADVERTISING A RETAIL STOCK--II.

This department is conducted by an experienced advertising man. It will be devoted to questions of profitable publicity as especially related to the retail Hardwareman.

We desire to make it of practical benefit to the readers of "HARDWARE," and to that end invite you to ask any questions on advertising, make any suggestions, or send in your ads. for criticism. We will do our best to make the path of advertising easy for you.

It seems to me that the retail Hardware dealers are either abnormally bashful, or else have not yet awakened to what is becoming more and more patent to retailers in every other line of trade—the value of advertising as a means of increasing business, or building up a business from the foundations. Last month, when the first of these articles on retail advertising appeared, we put at the head of the column, in bold, black type, a request that the readers of *Hardware* send in any questions that might occur to them from time to time, on the subject; any ads. they might have, for criticism and suggestion; for advice, in short, on any question within the sphere of business publicity, and a number of responses have been received, but not so many as expected. This invitation was extended in all honesty. This department is for you, and we want to make it as practical as possible. You can help us by accepting the offer in the spirit in which it was given.

I received, a few days ago, the following letter from a gentleman in the western part of Pennsylvania:

I am about to open a general retail store here, and shall carry a complete line of Hardware, stoves and specialties. It is a small town of about 5,000 inhabitants, and there has been one Hardware store here for a number of years. I have a good location on the main street, near the center of the town. I want to do some advertising, and would be glad to have you make any suggestions. I had thought some of putting out a few circulars for street distribution as a starter. What do you think of the plan?

Yours very truly, J—E—C—

I like to receive a letter like that. It shows a spirit of progress, and opens up the whole subject of Hardware advertising from A to Z. For that reason I shall try to answer it here. The Hardware business is much the same the world over, and what is applicable to one case is, with very slight modifications, just as applicable in another.

Mr. C— is wavering before the temptation that assails nine out of ten men just launching a new enterprise—to flood the town with dodgers and circulars. I can only say "Don't." In ninety-nine cases out of every hundred it will not pay. The best evidence that it will not is that very few of the successful retail advertisers in any line use this method. I have talked with numbers of them and find them almost unanimous in condemning the circular. Few people ever read one, and those who do are not impressed. It has but a momentary influence and that is not the kind that brings trade. Think of it yourself—half the time you never even look at the dodger that is thrust in your hand as you walk along the street, much less think of being influenced by it to buy in the store it is supposed to advertise.

The one great point that Mr. C— will have to combat if his enterprise is to succeed, is the long established reputation of his competitor—that indefinable something that is spoken of as the "good-will" of a concern. This can only be done by a vigorous and systematic policy of constant talking into the ear of the public, backed up by a careful attention to every little detail that will please the chance visitor to his store; by persuading the public that an extremely energetic, wide awake and honest man has entered into the Hardware field.

Instead of the circular suggested by Mr. C— I should use a small booklet. It has the appearance of greater earnestness and force. It is not so much like a shot fired, hit or miss, in the air. Almost any printing house can get up a neat, tasty design, and the cost need not be more than $15 or $20 a thousand at the outside. Let it be well written, short and to the point—let it tell all about the new store—speak of the new stocks, fair prices, &c. Play upon the points of store arrangement, polite clerks, willingness to show goods without urging to buy, everyone welcome to come in and look around, and end up with a politely worded request for a trial from every household. Do not attempt to be elaborate or "funny." I should not attempt anything remarkable, even on the cover; call the book, say, "The New Hardware Store." The best blow in boxing is straight from the shoulder. The most effective method in business is to talk business.

I should send one of these booklets to the head of each household in a sealed envelope. This will add a little to the postage bill, perhaps, but the increased effectiveness will more than equal the extra cost.

The main object of the booklet is to arouse interest and curiosity. It will not do to stop there. A few days before the store is opened, and after the booklets have been sent out, I should begin to use the columns of the local papers. In a place of the size of the town in question I should use all the papers, as it is from practically the entire population that Mr. C— must draw his trade. If the town were large, and there were more than one or two papers, I should use the one or ones that circulate most exclusively among the class of people whose patronage I was striving to get.

The first ads. I should have merely as a further announcement of the opening of the new store. Something as follows could be used to advantage;

A New Store

on Main Street, near the centre of the town. Full of new, bright Hardware, fresh and clean. Everything from carpet tacks to stoves. Easy prices. Come in and look around. . . . . .

JOHN JONES, Main St

Up To Date

in every respect. At our new store, to be opened Feb. 1, will be found a complete line of Hardware, Stoves and Furnishings. Everything the newest, brightest and best.

JOHN JONES, Main St

A New Stock

OF HARDWARE

in a new place, at prices that will be new to you. Our new store will be open about Feb. 1. Come in and look around. . . .

JOHN JONES, Main St.

Do not in these ads. try to give all that you have in stock. As in the booklet, I should let the new goods and the low prices be the talking points.

On the day of opening I should come out with an offering of a special article at a special price, and should keep up that idea week in and week out. There must be something to draw people out of the rut. They have been in the habit of going to the other store. They will not change save for some good reason. At first they will come for the particular article offered. Gradually they will get in the habit of coming there instead of going to your competitor, and finally you have enrolled them among your customers.

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Change the article offered every week, and make it with a due regard to the times and the season.

Along these lines some such ideas as these could be used:

YOU
CAN
LEAD

a horse to water, but you can't make him drink. We can offer you this week an elegant . . .

KITCHEN RANGE for $18.00

Same we have been selling for $23.00. What do you say about buying? . . . . . .

JAMES E. CLARK, Main St.

WE want you to know that we have the brightest and best of everything in the Hardware line at our new store. To tempt your investigation, we offer this week

Pie Tins - - 4c.

We have all you want at this price for this week only. Everything else just as reasonable.

JAMES E. CLARK,
MAIN STREET.

BARGAIN
THIS WEEK
IN
LAMPS
Every Style Every Price.
15c. to $6.00.
JAMES E. CLARK,
MAIN STREET.

I believe that this is the best and quickest method of establishing a paying business. The bargain idea is just as practical and just as effective in the Hardware line as in any other. Bargains are primarily to attract the attention. They are not profitable in themselves, save as they affect the future trade. In the face of the conditions that confront Mr. C— they will prove doubly effective.

In the case of a store already established the same general plan can be made use of to increase the business by changing the character of the booklet. The bargain idea is good under any conditions and is bound to increase the trade in the long run. I know that the margin of profit in Hardware is comparatively small, and that for that reason Hardwaremen shun the thought of bargains. It has been proven time and time again in every line of trade that the "bargain" offered is seldom the article which has the heaviest sale. The small reduction in price on one line will be more than made up by the increased sales in the others. ARTHUR B. CHIVERS.

Trade in a certain line of goods, writes an English dealer, which properly belonged to my business, was being rapidly monopolized by the department shops until the profit on these goods hardly paid the interest on the capital invested. I was tempted to give up this line, as many other retailers have been forced to do with goods they were accustomed to sell. Instead of yielding, I bought more, chance favoring me with a particularly desirable lot. I went through the whole line, and marked every article close to its cost; I engaged advertising space in two trade papers and contracted £20 worth of bill-posting in my locality. No matter for what purpose a person came in my shop, I introduced these goods and required my assistants to literally carry out the text, "No trouble to show goods." I soon noticed a decided increase in the sale of this once-despised stock. It is now the livliest stock in my shop. It brought new trade, who not only bought goods on which there was a more satisfactory profit, but recommended to me many customers.

The 1896 calendar presented by the Union Metallic Cartridge Co., Bridgeport, Conn. and New York and San Francisco, is a very handsome and striking creation. The scene depicted is that of an Arizona desert, showing in the foreground a Navajo war chief, mounted on his broncho, and decked out in his war paint.

Death of John E. Bassett.

The sad news comes of the death of John E. Bassett, of the firm of John E. Bassett & Co., dealers in manufacturers' supplies and general Hardware at New Haven, Conn. He had been ill for some six weeks with malarial fever and a complication of diseases, the prominent feature of which was erysipelas, and in his weak condition he was unable to rally. Mr. Bassett was born in Hamden, Conn., March 31, 1830. At the age of nine he removed with his father's family to New Haven, which has since been his home. Before this he had attended school in Hamden. He continued his studies in the public schools of New Haven, and finished them, when between fifteen and sixteen years old, at the Lancasterian school, then under the management of John E. Lovell. Not long afterward he entered the Hardware store of E. B. M. Hughes as a clerk, thus beginning his career with that establishment, which has been unbroken to the present time, marking him as having been longer in one place on Chapel Street than any other man now in business there. That was in 1846, and Mr. Bassett looked back over the sunshine and shadows of nearly forty years' association with this spot, formerly known as No. 236 Chapel Street, but now as No. 754, during more than thirty years of which period he has been a proprietor in the enterprise.

The business was first begun in 1784 by Titus Street, who continued it alone till 1792, when Samuel Hughes went in with him and the business was conducted under the firm name of Street & Hughes until 1802. Then it was Street, Hughes & Co., Street, Sherman & Co., Hughes, Sherman & Co., and Hughes & Sherman. Mr. Street retired from active business in 1821. Samuel Hughes continued the business after that with his son, E. B. M. Hughes. From the death of his father in 1838 E. B. M. Hughes conducted the business alone until 1855, when John E. Bassett was admitted to the firm. Mr. Hughes remained as senior partner until his death in 1864. In 1865 H. N. Jarvis became associated with Mr. Bassett as partner, remaining as such during three years, when he removed to Denver.

It will be noted that since the foundation of this business in 1784 it has never been sold out, a surviving partner always carrying it forward. The small wooden building in which it had its origin is but a memory now, but its successor, a little above, by repeated additions and enlargements, now extends from No. 754 Chapel Street to Nos. 318 and 320 State Street, thus appropriately encircling its birthplace. He took great pleasure in speaking of the antiquity of his house and in showing to curious visitors the little old safe, which was the only one in use in the store until the death of E. B. M. Hughes, and the quaint old ledger and blotter in which Titus Street kept the record of his daily mercantile transactions.

Exceptionally genial in address, he had many and warm personal frlends among the leading business men of New Haven and other cities. He was a Democrat, but not a politician; an attendant upon the services of the Episcopal church; and a citizen of public spirit and progressive ideas. Mr. Bassett had not interested himself largely in enterprises outside of his own trade, but had been connected in one way or another with a few first-class concerns, notably with the New Haven and Centerville Horse Railroad Co. as one of the incorporators and as its treasurer and president.

We have received the catalogue of the Union Heater Supply Co., Detroit, Mich. The company say: "We have excellent facilities for the construction of special gasoline heaters, and have manufactured both from our own designs and those of others, and can guarantee satisfaction on work of this character." The catalogue illustrates and describes the fire pots, furnaces, etc., manufactured by the company.

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What They Think of Sager Saddles.

On another page the Sager Mfg. Co., Rochester, N. Y., show very conclusive evidence that they are not alone in the belief that Sager Saddles are superior and first-class in every respect.

It is not likely that a few years ago, when Mr. Sager first turned his attention to saddle construction, that he ever dreamed of making a saddle which would become so popular that a factory with a capacity of 2,000 saddles every ten hours, would be tested to its utmost to supply the demand, and that, too, in face of the fact that it costs more than any other bicycle saddle. But such are present conditions. The Sager Co. have made contracts with sixty-five of the leading bicycle manufacturers of the country in quantities of 1,000 and upwards, the largest contract being for 20,000. In addition to these are numerous orders for less numbers.

Believing this to be a showing of which any manufacturer of bicycle equipments might well be proud, the Sager people wrote a short note to each of the sixty-five manufacturers referred to, asking permission to use their names in a "Sager List."

This request was not only universally granted, but a large number of the bicycle makers in their replies took occasion to speak of the Sager in the highest terms, as the following extracts from some of their letters show:

PNEUMATICS ON ORIENTS.

Waltham, Mass., Dec. 20, 1895.

Sager Mfg. Co., Gentlemen:—In answer to your letter of the 19th will say: You can use our name in your advertisement, as users of the Sager Saddles on our entire output of "Orients," "Pneumatics" if you wish it so.

Yours truly, THE WALTHAM MFG. CO.

SAGERS FIRST.

Goshen, Ind., Dec. 19, 1895.

Sager Mfg. Co., Gentlemen:—In reply to your favor of the 17th will say that you may include our name in the list which you are about producing. In this connection we will add that in making up our order for saddles, we wrote very many of our agents as to what was best to purchase, and made contracts with those manufacturers whose names were mentioned oftenest, and will say that of the lot yours was the greatest. Yours very truly,

ARIEL CYCLE MFG. CO.

COST MORE, BUT WORTH MORE.

New York, Dec. 20, 1895.

Sager Mfg. Co., Gentlemen:—You are at liberty to use our name as being one of the manufacturers using Sager Saddles. We like Sager Saddles and recommend them highly to our customers. We know that Sager's cost more money than other saddles can be bought for, but we know that Sager's give satisfaction and we prefer to pay the advance price and not experiment. Truly yours,

THE LIBERTY CYCLE CO.

OBLIGED FOR THE OFFER.

Toledo, Ohio, Dec. 29, 1895.

Sager Mfg. Co., Gentlemen:—Replying to yours of the 19th, would say that we should have no objection whatever to your including our name in the list of manufacturers that you refer to. In fact we are obliged to you for your offer to do this, and, if we may be permitted to offer any suggestion, it would be that in your announcement you mention the name "Viking," as well as our name as manufacturers. Yours truly, UNION MFG. CO.,

WM. PETER, Owner.

GIVE SATISFACTION.

Kenosha, Wis., Dec. 21, 1895.

Sager Mfg. Co., Gentlemen:—Yours of the 19th at hand. It gives us pleasure to say that we have used your saddles in the past and are still using them on our Sterling Bicycles and they give good satisfaction. Yours truly,

B. J. MOORE, Gen'l Mgr.
STERLING CYCLE WORKS.

SAGERS ARE STANDARD.

Erie, Pa., Dec. 23, 1895.

Sager Mfg. Co., Gentlemen:—After two years' experience with Sager Saddles we have adopted them as a part of the standard equipment of Tribune bicycles for the season of 1896. Before making this decision we very carefully investigated the merits of the different patterns upon the market, but were unable to find anything of as high a class of workmanship, finish and material as the Sager.

BLACK MFG. CO.

These letters are simply a few from the many. It is not to be wondered at that the Sager Co. are proud to show to the trade such "certificates of character."

Biddle Hardware Co. on Wheels.

The Biddle Hardware Co., Philadelphia, are sending their friends the 1896 catalogue of A. Featherstone & Co., whose wheels are handled by the Philadelphia house, and being pushed with the vigor which characterizes everything done by that enterprising company. They handled the Featherstone wheels all last season, and the great success which attended their bicycle department has fortified them in the belief long since expressed, that this is one of the very best lines of jobbing wheels in the market. In touching upon the question of prices, Mr. Ritter, the manager of the company, says: "In our opinion the day has gone past for anyone to pay $100 for a bicycle, unless he wishes to do so for the sake of the name. I will add that we have never sold a machine which gives such entire satisfaction as the Featherstone line." The wheels comprise the Royal King, Royal Queen, Duke, Duchess, Prince, Princess, Middy and Midget. The catalogue to which we refer gives an illustrated description of each of these wheels with specifications, etc., and will be sent to anyone interested on application to the Biddle Hardware Co., Nos. 507–509 Commerce Street, Philadelphia. The house stands very high in the opinion of the Hardware trade, as it is, perhaps, needless to mention, and any guarantee that they make will, of course, be carried out. It may be no betrayal of confidence to quote an expression used in a recent letter from Mr. Ritter, in which he says: "We are Quakers, and drab and quietness are our characteristics, but when it comes to handling wheels and selling a quantity, we can truthfully say that we are in the very front of the procession."

The Columbia Calendar.

The Columbia pad calendar for 1896 has made its appearance, representing the eleventh annual issue, and handy and convenient as it has been heretofore, the new issue certainly surpasses any of its predecessors. The cycling fraternity, to say nothing of the general public, has acquired a decidedly friendly feeling for the Columbia calendar, and its annual advent is looked forward to with interest and pleasure. The new calendar contains a much better arrangement than in previous years, more space having been allowed for memoranda, while a greater charm has been added by liberal illustration and an unique and convenient grouping of dates, calculated to meet the hurried needs of business men, All these, however, merely form a setting for the bright and sparkling thoughts contributed by Columbia riders everywhere; for such a host of friends has the calendar acquired that it has become a customary practice for wheelmen all over the country to jot down their best thoughts and inspirations after being subjected to the exhilarating influence of a Columbia ride, and to send them in to brighten its pages. In addition to these pleasing features the moon's phases are indicated for the benefit of those who wish to know the best time for night riding. The many dainty sketches that embellish its pages render it indeed a work of art. Owing to the unusual demand last year a much larger edition has been issued for 1896. The calendar can be obtained for five 2-cent stamps by addressing the Calendar Department of the Pope Mfg. Co., Hartford, Conn.

Belgium possesses the deepest coal mine, the one at Lambert being 3,490 feet deep.

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BICYCLE ANNOUNCEMENTS FOR 1896.

The Overman Wheel Co., Chicopee Falls, Mass., are sending out a novel catalogue for 1896. It is of Japanese design, and a fantastic dragon decorates the covers. The company's trade mark in red appears on the upper corner, while on the back cover on a red panel in true Japanese style appears the words "Victor Bicycles for 1896." The catalogue is printed on paper that helps the deception of its Japanese origin, and all through its pages are quaint and characteristic views of almond-eyed maidens and Japanese scenery. The catalogue is really a work of art. The company's wheels are fully described and illustrated.

E. C. Stearns & Co.. Syracuse, N. Y., are also enterprising enough to publish a spokesman. It is very attractively designed, the words "The Yellow Fellow" in that striking color, showing up to a great advantage on a black background. The front cover shows Earl H. Kiser, the star of the Stearn's team, on his Yellow Fellow, dressed also in yellow, which makes him a "Yellow Fellow." The little publication abounds in bright ideas and interesting illustrations, and is a credit to the company.

The Grand Rapids Cycle Co., Grand Rapids, Mich., have gotten out their 1896 catalogue. The front cover represents an enchanting view of the sea coast, where a party of cyclists are riding along the beach in full view of a clipper rigged ship. The company say: "The year 1896 finds us better equipped and in better position than ever to meet the exacting demand of a rapidly growing business. We wish to thank our friends and customers, who have been the indirect means of the establishment of our enviable reputation for producing unexcelled 'Business Bicycles.' Early in 1889 the first Grand Rapids Bicycles were made in the little shop illustrated on page 22 of this catalogue. These safeties were among the very first American made safety bicycles. From that small beginning our business has steadily grown to its present size. With new additions to our plant, the capacity is again double that of any previous year. Since we made the first New Clippers our aim has been to supply our friends and the trade with wheels that may be relied upon to satisfy the purchaser. For reference we point with pardonable pride to the thousands of New Clippers now in use. We shall continue the policy and practice of giving local dealers preference and selling direct to them rather than to the jobber under other names. Our New Clippers have gained for themselves a reputation as thoroughly good and reliable wheels, sold at reasonable prices to the very best retail trade throughout the country."

The Fenton Metallic Mfg. Co., Jamestown, N. Y., have sent out their advance bicycle announcement for 1896. The company say: "This small book is intended to give our numerous friends and patrons a short outline of our new models, preparatory to issuing our regular catalogue. We shall continue our policy of building only a strictly high grade bicycle, regardless of cost for material and mechanical skill, always endeavoring to maintain our present reputation for high standard of excellence. We cheerfully commend these condensed specifications of our 1896 models, and trust they will create enough interest in the reader to ask us for our complete catalogue, which will be gladly mailed."

The Syracuse Cycle Co., Syracuse, N. Y., have gotten out a striking announcement of their line of wheels, which includes the Syracuse pacer, Syracuse model D, Syracuse Thelma, Special Syracuse, Syracuse model C, Syracuse racer, Syracuse tandem, Syracuse racing tandem, Syracuse quadruplet and Syracuse quintette. The following Hardware jobbing houses are agents for the Syracuse Cycle Co.: A. F. Shapleigh Hardware Co., St Louis, Mo., wholesale distributors for Western and Southwestern territory; Farwell, Ozmun, Kirk & Co., St. Paul, Minn., wholesale distributors for Northwestern territory; Supplee Hardware Co., Philadelphia, Pa., wholesale distributors for South-Atlantic States.

The Empire Cycle Co.. Syracuse, N. Y., manufacturers of the Empire bicycles will offer two models for the season of 1896, *i. e.*, Empire model, No. 1, and Empire lady's. The company say "the Empire lady's wheel has been constructed with a view of placing within reach of the cycling public a handsome mount suitable for practical use. It combines all the latest principles in substantial bicycle construction. Though light in weight, it is strong and durable and will prove a serviceable mount. Especially commendable are its handsome lines and graceful drop-frame. In construction it is like our Empire model 10, made from the highest grade of stock and with the best possible skill in workmanship. These wheels have Nile green rims."

The 1896 catalogue of the Marion Cycle Co., Marion, Ind., is at hand. The company say "We herewith present our catalogue for 1896. Progress was our aim in ninety-five. Then need we say that 'expectations realized' was the gratifying report of the year just closed? For the coming year our design and construction surpass anything ever attempted by us, and is thoroughly up to date in every particular. For '96 we shall put upon the market the 'Halladay,' changing the name from the 'Halladay Temple Scorcher.' While the name of our bicycle is changed, there is no change in the management of the factory, Mr. L. P. Halladay still remaining in the capacity of president and general manager. We have more than doubled the capacity of our factory, and have added the very latest and improved machinery for cycle construction, and are better fitted than ever before to cater to the demands of the best people in the trade, which, we are pleased to state, we have been able to secure as agents for the 'Halladay.'" The company manufacture the Halladay, the Halladay racer, Halladay ladies' and Halladay tandem.

We have received the Humber specifications for 1896. The company will place on the market seven models, including Humber racer for track or road. Humber roadster, Humber tourist, lady's Humber, Knickerbocker lady Humber, Humber road tandem and Humber combination tandem. The American factory of Humber & Co. is at Westboro, Mass., and the New York office is at No. 318 Broadway.

Arnold, Schwinn & Co., Peoria and Lake Streets, Chicago, have gotten out an attractive advance announcement of their wheels. The cover shows their wheel and the world, which is the company's trade-mark, in raised work. The company say: "We desire the best representation in every city in 'the world.' We faithfully promise to furnish a most superior machine in material, construction and finish, so that our business relations will be of mutual pleasure and financial benefit." The company manufacture a line of seven wheels, including a standard roadster, a light roadster, a flyer, a ladies' wheel, a standard tandem, a combination tandem and a flying tandem.

The advance sheet of the Iver Johnson's Arms & Cycle Works, Fitchburg, Mass., will undoubtedly prove of great interest to the cycling public. The company say: "Fully appreciating the compliment paid us by the almost numberless requests for Iver Johnson catalogues which have come to us since our announcement that we should hereafter supply the trade direct, and desiring to issue a comprehensive and artistic catalogue, a matter which involves a considerable amount of time, we have thought it best to

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send out this little pamphlet, which in a general way describes the Iver Johnson and Fitchburg cycles, the last being a well known bicycle of many years standing in the trade, but which until this season has been sold through a large jobbing house, under another name, but which has been manufactured by us since 1889. We have greatly improved this cycle, and it will be turned out with barrel hubs, improved chain and crank adjustments, etc., making a grade which few makers listing their goods at $100 can equal. The Fitchburg was sold last year by the jobber mentioned, at $100, and at that price gave universal satisfaction. We have greatly improved it in many ways, and have set the price at $75. Both the ladies' and gentlemen's model of th eFitchburg is *Fin de siecle*, and standard, in peints of design, materia and workmanship, and we are prepared to forward either model, singly at list, or in quantities to agents and dealers at a fair discount. We have been working our immense plant to its utmost for many weeks and can supply any and all demands promptly." The company will turn out six Iver Johnson cycles, including a racer, light roadster, ladies' light roadster, mens' tandem and combination tandem and three Fitchburg models—light roadster, full roadster and ladies' roadster.

W. H. Wilhelm & Co., Hamburg, Pa., will have five models on the market for 1896, including the Wilhelm gentlemen's wheel, model A, Wilhelm ladies' model C, Wilhelm ladies' model B, Wilhelm boys' model and Wilhelm girls' model.

The Relay Mfg. Co,, Reading, Pa., have published their fifth annual catalogue. The company say: "It is with pardonable pride that we present this, our fifth annual catalogue, to the public, not only because of the fact that we could not meet the demand for the Relays during the p' ' season, which fact is the strongest commendation anyone could wish, but that with unusual unanimity our patrons speak in the highest terms of the qualities of our production." The Relay line comprises a Relay special, Relay special flyer, Relay model A, Relay B, Relay model C, ladies' Relay and Relay tandem.

The Iroquois Cycle Mfg. Co., Buffalo, N. Y., have distributed their advance circular for 1896. The company say: "We beg leave to encroach upon your valuable time for just a few moments, and desire to let you know something about the goods we are manufacturing for the '96 cycle trade. We have, we consider, one of the handsomest bicycles ever turned out by any bicycle factory, and several new features to which we desire to call your considerate attention. We are prepared to take excellent care of a few good agents, and with such who will take the trouble to drop us a few lines we should be most pleased to communicate. The company's wheel is known as the Cayuga."

O. J. Faxon & Co., Boston, Mass. are very much pleased with their success in obtaining such valuable agents as Surpless, Dunn & Alder, and feel confident they have made no mistake in securing so worthy a house to represent their wheel in the State of New York. Surpless, Dunn & Alder have placed an order with them for a thousand wheels, and feel confident they can dispose of double that number. Owing to the fact of the large demand for Puritan cycles, Faxon & Co. have already sold their entire output and are now considering propositions for another factory.

The Lufkin Rule Co.

The Lufkin Rule Co., Saginaw, Mich., make he pleasing announcement that they have just completed the most prosperous year in their career, and that with their increased facilities in the shape of an addition to their factory and more improved machinery, they are in better shape at present than ever to attend to the wants of their customers. They carry a very complete line of steel and metallic measuring tapes, but they are yet unsatisfied as to the character and extent of their product, and intend to make more additions and spare no expense to keep up the high standard of their goods. They note with pleasure that the trade is beginning to realize the fact that American goods are superior to those of foreign make, and add: "We have demonstrated that better goods can be made on this side of the pond, as our measuring tapes stand preeminently at the head."

They are sending their friends a very amusing little cartoon, which suggests how the Venezuelan question can be settled. The idea is conveyed that the British lion has heretofore measured the boundary line with English tape, while the use of one made by the Lufkin Rule Co. would satisfy both sides, and mark the exact line. No doubt the Venezuelan commissioners will use a "Reliable Steel Tape" in determining the disputed boundaries, and the Lufkin Rule Co. assure us that they are stocking up their New York store, No. 2½ Murray Street, in anticipation of the heavy demand from foreign as well as home markets.



No Dispute Where Our Tapes Are Used. from New York World.

The latest poster competiton is one to exploit the Columbia bicycle, for which substantial prizes are offered of $250, $100 and $50, together, in each case, with a wheel, while the fourth award will be the machine alone, the value of which, being $100, adds just that much more to the prizes. Drawings and sketches entered in this competition must be on paper or other suitable material, 28 inches wide by 44 inches long, and in coloring and finish must be complete and accurate representations of the poster when finished. All drawings and sketches should be delivered in Hartford, Conn., on or before Saturday, February 15, 1896. Awards will be made immediately. Designs winning prizes are to become the property of the Pope Mfg. Co., to whom everything must be sent. Further particulars will be furnished upon application.

"Forged Cutter Blanks, Annealed," is the title of a leaflet sent out by the Crescent Steel Co., No. 480 Pearl Street, New York. It is announced that these goods are carried in stock, that round blanks are made to order of any desired quality of steel, and sizes, prices, etc. are given.

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PHILADELPHIA HARDWARE DINNER.

The Tenth Annual Dinner of the Hardware Merchants' & Manufacturers' Association of Philadelphia, was given in Union League Club of that city, on the evening of January 23d. The guests and members assembled at about 6:30 and spent an hour in social intercourse. When the company filed into the banquet hall an unusual sight met their eyes, the beauty of which will no doubt long dwell in their minds. The tables were arranged in the form of two ellipses, one within the other, and were profusely decorated with evergreens, cut flowers, colored candelabra, small potted palms, lawn mowers tied with gorgeous red ribbons, while scattered around at random, were other articles, identified with the trade, such as saws, hammers, files, coffee mills, meat cutters and many articles of a similar character. The walls of the hall were completely hidden from view to about the height of ten feet, with palms, flowering shrubs in pots, small pine trees aud other plants. The beautiful crystal chandelier in the center of the room was festooned with foliage, while falling from the sides to supports on the tables were long trailing vines of Virginia creeper in blossom. In one corner of the hall a string band behind the dense and luxurious decorations, discoursed sweet melodies during the evening. At the plate of each guest was a handsome menu card bearing the following: "Tenth Annual Dinner Hardware Merchants and Manufacturers Association of Philadelphia," and showing a merry party around the festive board. It also contained the order of toasts and the names of the guests and members of the Association. The menu was an appetizing one and is here given:

MENU.

Lynn Haven Bays, Clear Green Turtle Soup,
Baked Fresh Shad,
Cucumbers, Bouchee a la Capuciner.
Arrack Punch,
Saddle of Canada Mutton, Fresh Peas,
Bermuda Potatoes,
Terrapin, Lettuce and Fresh Tomatoes,
Cheese,
Neselrode Pudding, Coffee.

After partaking of the good things prepared for the inner man, and when cigars were in order, Chairman, W. W. Supplee called the meeting to order, and those present prepared themselves for an intellectual feast. The order of toasts was as follows:

TOASTS.

INTRODUCTION OF OUR NEW PRESIDENT BY THE RETIRING PRESIDENT AND CHAIRMAN OF THE EVENING, - - - - - William W. Supplee.
And the night shall be filled with music
And the cares that infest the day
Shall fold their tents like the Arabs
And as silently steal away.—Longfellow.

ACCEPTANCE AND RESPONSE BY THE PRESIDENT-ELECT, - - - - - - - Samuel Disston.
Boast not of what thou wouldst have done
But do what then thou wouldst
Thou seest it in thine hand.—Milton.

TENOR SOLO, - - - - - C. Stanley Hurlbut.

JUNIOR PARTNERS, - - - - - William D. Supplee.
Might have gone farther and fared worse.—Heywood.
Wisely and slow: they stumble that run fast.—Shakespeare.

THE RELATION OF BUSINESS MEN TO MUNICIPAL AFFAIRS, - - - - C. Stuart Patterson.
If to do were as easy as to know
What were good to do,
Chapels had been churches
And poor men's cottages palaces.—Shakespeare.

BARITONE SOLO, - - - - - - Frank W. Huff.

MODERN BUSINESS METHODS, - - - - H. H. Bishop.
Let me stand to the main chance.—Lyly.

OFFICE BOY, - - - - - - Frank Taylor.
Shall I stop to do't? No! No!
Although the air of Paradise did fan the house
And Angels officed all.—Shakespeare.

SONG, - - - - - - "And the Band Played On."

AMBITION, - - - - - - - - T. James Fernley.
They tell me thou art rash and vain,
A searcher after fame,
That thou art striving but to gain
A long enduring name.—Whittier.

Mr. Supplee addressed the gathering as follows:

SPEECH OF WILLIAM W. SUPPLEE.

Gentlemen of the Hardware Merchants' & Manufacturers' Association and Invited Guests: It is both my duty and pleasure to extend to all present a sincere and hearty welcome to this, the Tenth Annual Banquet of our Association, and to the invited guests I desire to extend an especial welcome.

Two short years ago when I entered upon the duties of presiding officer of this Association, ex-president Fayette R. Plumb proclaimed aloud, "The King is dead, long live the King." These same words are now both applicable and appropriate. Having been elected for two successive terms, which is the limit permitted by our constitution and by-laws, my official career has ended, and I will soon present to you our newly-elected president.

Mr. Samuel Disston needs no formal introduction to those present. His name is well and favorably known over our entire city. He is also connected with and represents a firm whose name has not only a national reputation, but I can safely say is known over a greater portion of the civilized world. Is it therefore any wonder that I repeat what I recently stated before the members of our Association, that my successor was not only my choice and preference, but what powers of persuasion I possessed were used to induce him to permit a nomination, which, when first suggested, he emphatically refused, and only at a later date further vigorous persuasion induced him to accept.

The garments of authority worn by my predecessors and laid aside spotless and unsoiled, and which I have endeavored to conscientiously and creditably sustain, are now fittingly placed upon Mr. Disston's shoulders, and I but voice the sentiments of all our members when I state that they are equally secure and safe in his hands.

Our Association has been an object lesson to those not only in our line of trade, but other occupations—indeed has extended into the halls of finance. We, therefore, may be permitted to feel proud that we were not only the first Hardware merchants and manufacturers to couple social enjoyments with business problems, and in taking the initiative not only brought harmony out of chaos in our midst, but set an example which now extends into almost every State in the Union.

The President of the Philadelphia Bourse recently stated that the present era might well be called an era of organization. In this he is unquestionably correct. Mr. Clark stated: "Efforts through these organizations could be directed with the compact precision of the rifle bullet, instead of the scattered fire of the blunderbuss." These words were spoken at the recent opening banquet of the Philadelphia Bourse, a building which does credit to the president and officers who carried it to a successful completion, and which is now a credit to our city, and I believe the results will be of incalculable benefit to our commercial, industrial, financial and other interests.

Several of the members of our Association were among the first to extend financial aid to the enterprise. We were among the first to secure rooms, and the first to hold a meeting in the general assembly room.

Within the walls of this building it is the desire and intention that all of the many organizations of our city shall center. Already one organization of two thousand members; another of from five to seven hundred members have responded with handsomely furnished rooms, while nearly all other organizations in our city have correspondingly shown their appreciation of the enterprise.

Scattered individual efforts, like the scattered shots of

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the blunderbuss, may be concentrated through organization where commercial sentiments and business interests can be discussed, fostered and culminated, but the most splendid and gigantic possibilities of our natures, abilities and energies must remain unrealized and our social qualities remain undeveloped if we live entirely within the four walls of our warerooms, or the environment of our own homes.

We recognize the fact that rivalry in trade may be fierce, vigorous and unyielding, yet neither the efforts of the or the intensity of the salesman should extend beyond "a high standard of business methods."

In these methods intelligence, wisdom and prudence should be the guiding star and characteristics of our efforts, and the weapons used should be so guarded and chained that they may not be of a demoralizing nature. not traduce the character of competitors, for this is the most ignominious of all evils.

In the words of *Iago*, "He who steals my purse steals trash. 'Tis something, nothing. 'Twas mine, 'tis his, and has been the slave to thousands. But he who filches from



WILLIAM W. SUPPLEE.

me my good name, robs me of that which does not enrich him, but makes me poor indeed."

"Beware of jealousy, oh my lord! It is a green-eyed monster, which doth mock the meat it feeds on."

During the past two hours we have been seated in a bower of tropical and other living plants, with a background of one hundred standing sentinels of evergreens, within the sound of the soft strains of music, with only the symbols and ensigns of trade, table decorations (which are distinctively our own), to remind us of the outside world.

Having finished the first part of our program, "eat, drink and be merry," we will now enter upon the intellectual feast of the evening, where reason sublime, wit supreme and music enchanting will delight us, not thinking of to-morrow, which W. D. Howells describes as follows:

> "Old fraud, I know you in your gay disguise,
> That air of hope, that promise of surprise;
> Beneath your bravery as you come this way
> I see the sordid presence of to-day.
> And I shall see long ere you are gone
> All the dull yesterdays that I have known."

I now take pleasure in introducing our newly elected president, Mr. Samuel Disston.

Mr. Disston here arose.

Mr. President:—I take pleasure in presenting you with this beautiful gavel, given by your friends, who are members of this Association. The gift, although a token of esteem and goodwill, is but small in comparison to the sincere feeling towards you in the hearts of those who present it, and who feel that this symbol of authority will be used by you in a manner which will do both credit to yourself and our members, who will always cheerfully submit to your wise rulings.

Chairman Supplee then introduced Samuel Disston, who was greeted with hearty applause. Mr. Disston responded to the effect that he felt honored by the choice the Association had made, and assured his hearers that he would serve them to the best of his ability. Mr. Disston was followed by C. Stanley Hurlbut with a tenor solo, which was so well rendered that he was encored. W. D. Supplee next responded:

SPEECH OF W. D. SUPPLEE.

Mr. President and Gentlemen:—When called upon in advance by your committee to address the members of your Association, with their invited guests, and remonstrating that my name be even suggested, I was advised by your genial and hearty secretary, "Oh, speak; go ahead, Will; we have selected all new speakers, all novices—men who have never spoken in public before," and thus through his eloquence I allowed him to use my name as a member of the supposed new Kindergarten Class. However, seeing as I do on your menu the names of such men as Messrs. Disston, Patterson, Bishop and Fernley, I confess to my feelings as more resembling a youthful student, speaking in such company as college professors.

While fully appreciative of the honor bestowed on me by your committee, in granting me this opportunity of addressing you, I must acknowledge a certain reluctance in assuming what might be considered the duties of an after-dinner speaker, that duty being understood by me to be to either amuse or instruct. The former I dare not attempt; the latter, with before me the sages of the trade, of the bar, and of our municipal authorities, I cannot.

While numerous are the advantages the younger men have to-day over their seniors, whose early efforts were directed toward the winning goal, without that kindly and possibly fatherly assistance that only experience can grant, there is one advantage especially worthy of note that it is our privilege to enjoy. It is: the Association whose guests we are to-night, an Association whose name has won for itself a place second to that of no local Hardware association in the country—nay, more, an Association I feel safe in saying is second to that of no local trade organization of any trade in the country.

The Association has placed us young in life on the friendliest of terms with our competitors; it has even placed our competitors on that basis of friends and true ones.

As we well know, only a short time prior to the formation of the organization, many of our city jobbers were unacquainted with each other, while to-day one and all are on the best terms, and it is an every day occurrence to see and meet our competitors for a happy lunch hour.

It is a regret to me that more do not take advantage of the opportunity granted them of attending the meetings, profiting by the words of wisdom, by the experience they could gain, which will possibly not show direct results at the moment, but will undoubtedly bear fruit later on.

Mind, I would not have "The Junior Member" usurp the senior's privilege; we want them both; we want and need the seniors for their wise and good instruction; we want the juniors for their own good and advancement into the paths of knowledge, as what better school is there than contact with fellow-man?

The "Junior Member" may, undoubtedly, nay, I can safely say, will, undoubtedly, feel at first his importance; it were well, however, that he hide the same for reasons too good to need explanation. Chide him not if these feelings exist. If the young man has not his own advancement

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sufficiently at heart to feel proud of its appreciation being shown by his seniors, I would feel that his energy and push were lacking.

While he may give to his partners his time, brains and devotion, he lacks for them the pride to the further advancement of the house itself if he lacks it in his own makeup.

By the law of faith in human nature, we must at times feel our views are those that are right, our side of the question the correct one, and in presenting them, recall that the decisfon on the other hand emanates from those who have had that wonderful schooling—experience; those whose knowledge we seek have ever been alert to the best ends in view; they have been enterprising and progressing, and their success has mainly been won by the combination of courage, tact, brains aud industry.

To those beneath us, let us endeavor at all times to show that respect, show that appreciation of the work of others that we always appreciated when we were one of the grand and noble army of the public at large. Kind words shown in return for good and honest work will never cost you a penny, and they are more likely to add to the profits of your house. Use them, therefore, in place of harsher ones.

When decision is necessary, do it not under heated brow, but cool your senses that on the morrow there may not be regret at your action, but only for the cause that necessitated it.

With the growing trade of a house, or even the maintenance of its past standard, there is, necessarily, work, and lots of it. We need what I may term stick-to-ativeness; for this quality there is no substitute; learn what to do, learn how to do it, and then see that you do it.

Neither the shirker, the laggard, nor the braggard, has a place in the position coming under the head of my text.

I can recall even now the thoughts I had when in attendance at my first dinner given by the Association. I had listened to words of wisdom from the wise men themselves, I had feasted well of the usual bounteous board, and then, as has more than once since come the thought: these are sturdy warriors, they have fought, they have battled with competition, with panics, with troubles, and with difficulties which I, as one of the younger men, may hope never to experience. Most of them have started with only their small earnings as their capital; they have grown from a small and almost unknown house to a rank where recognition is general and esteem is universal.

To these men, such as Messrs. Allen, Ghrisley, Peters, Griffiths, Biddle, Seltzer, and, I may add, the head of my own house, with Messrs. Disston, Plumb, Barnett and McCaffrey, we look with pride and even love. We are proud of the name that they bear.

We love them for the battles they have won, for the good and great counsel they have given us, and the "Junior Member" hopes that when the hairs on his head may have become gray from the daily trials of this life, when his shoulders may have become bent from the burdens they have borne, and the wisdom that he has gained from experience may have placed him in that position, when we can return honor for honor bestowed, that those now young, now unborn may look on him with the same esteem and respect that our eyes and heart see and beat to-day, for these are standard bearers, and I know that I express the wishes of one and all when I say, all honor to those who have so faithfully paved our way.

C. Stuart Patterson was next introduced, and answered in an able manner to the toast, "The Relations of Business Men to Municipal Affairs."

Frank W. Huff was then called upon for a baritone solo, which delighted his hearers, and he was called upon to repeat.

T. James Fernley, the secretary-treasurer of the Association, then read a letter from Peter McCartee, the President of the New York Hardware Club, expressing his regret at his inability to be present. H. H. Bishop was next introduced, and he spoke on Modern Business Methods.

H. H. BISHOP'S ADDRESS.

Mr. Toastmaster and Gentlemen:—Lord Bacon has said in the preface of his Maxims of the Law: "I hold every man a debtor to his profession, from the which as men of course do seek to receive countenance and profit, so ought they of duty to endeavor, by way of amends, to be a help and ornament thereto." It is in recognition of the duty, plainly defined in the opinion of this eminent philosopher, that I presume to stand before a body of men, many of whom are my superiors in age and wisdom, for the purpose of addressing them upon any subject. If I fail to be helpful, I can at least have the satisfaction of knowing that I have made a faithful effort, and that my willingness to do so may perhaps serve to inspire others more capable to take up and perform the duty in an acceptable manner.



SAMUEL DISSTON.

The superiority of "Modern Business Methods" to those in vogue a century ago, or indeed a half century since, is so generally recognized and so thoroughly appreciated that it seems almost unnecessary to rehearse the progress made. Within that time we have seen the development of railways, the telegraph, the telephone, electricity in many other forms of value in all walks of life, the practical utilization of steam as a force, innumerable inventions of labor-saving devices that affect the farm, the factory, the store and the dwelling. Articles that were formerly considered luxuries have now become necessities. Each year that passes over our heads seems to vie with its predecessor in establishing a record for greater development, progress and improvement.

It would not be difficult to spend much more time than would be appropriate on this occasion in picturing the great contrast between the present day and the past on a

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multitude of items, but as those whom I am addressing are interested principally in the manufacture and sale of Hardware, I shall confine my remarks to matters which I hope may interest them.

My knowledge of the manufacture of Hardware does not carry me back so far as fifty years ago, but in the comparatively short time that I have been in the harness, I have seen the manufactures of this country gradually displace those of Europe in many lines. Butchers' files, for example, are unknown to many of the younger men in the trade, and in their place we find the names of Black Diamond, McCaffrey and Kearney & Foot. Spear & Jackson Saws were once an essential part of a Hardware stock, but since Disston came into the field, we no longer have use for them.

As far as I know, the Europeans never developed enough ingenuity to produce a lawn mower, and the "Pennsylvania" and "Philadelphia" are known as well in foreign countries as our own. Who but an American could ever have devised a meat cutter like the "Enterprise" or "Perfection?" What merchants want to carry, or what



H. H. BISHOP.

carpenter wants to use a foreign made hammer or hatchet when he can get one branded "Hammond," "Germantown," or "Plumb?"

The city of Philadelphia is sometimes spoken of as slow. Is not such an accusation most tellingly refuted when these examples of progress in manufacture are pointed out? They are all examples that you do well to be proud of.

I have heard a story somewhere of a man, who, having occasion to transact business with one of the large establishments in his city, visited it, and was shown to the office of the proprietor, which in this instance was on the topmost floor of a six-story building. In the course of his visit he rendered himself obnoxious. A button was touched, and a stalwart man presented himself in response. He was instructed to put the gentleman out of the building, and immediately undertook the task, escorting him to the head of the stairway on the sixth floor of the building. By the assistance of his boot the obnoxious individual reached the fifth floor without using any of the steps in the proper manner. On the fifth floor he found another Hercules in waiting for him, who saw that he reached the fourth floor with proper expedition, and the same attentions were paid him on each of the third and second floors, and on the first he was finally thrown bodily through the door and landed on the sidewalk.

After satisfying himself by proper examination that no bones were broken, his face was lighted up with a smile of appreciation, and he exclaimed, "Great Heaven! what a perfect system," and pursued his way without further comment.

System is one of the characteristics of "Modern Business Methods," and is rendered necessary by the vast increase in detail and volume found in all branches. A little time taken for the perfecting of a proper system means the saving of much time in all transactions. No one can appreciate the truth of this better than a Hardwareman.

While it must be granted that "Modern Business Methods" are vastly superior to "Ancient," it will not do for us to believe that they are perfect, and it may perhaps be more helpful if some of the defects are pointed out, so that the inventive faculty that is abroad in the land may turn its attention to remedying these defects.

In the period fifty years ago and prior to it, the legitimate channels through which manufactured articles were to reach the consumer were clearly defined. They had their origin in the shop of the manufacturer; from there they went to the jobber or distributor, from him to the retail dealer, and through him finally to the user. The province of each one was clearly defined, and each obtained his fair share of the profit accruing. Modern Business Methods are not an improvement over the old ones in this respect; indeed, I must say that they are degenerate. We have to-day manufacturers who seem to hold the opinion that they must be manufacturer, distributor and retailer all in one. They hold the doctrine that "All's fish they get that cometh to net." The line of demarcation between the various classes is becoming fainter and fainter, and competition between all classes holds high carnival.

Competition is said to be the life of trade, and it is just as aptly said to be the death of the trader. The keen competition which is one of the characteristics of modern business methods is a weapon from which the edge must be taken before it has had time to do all the damage of which it is capable.

It must be conceded that the greatest fault to be discovered in modern business methods is excessive competition. It exists between manufacturers, between manufacturers and jobbers, between jobbers, between jobbers and retailers, and between retail dealers. Like steam or electricity, it is a force for good or for evil, dependent upon whether it it is controlled or uncontrolled. Controlled, it brings peace, development and prosperity; uncontrolled, it brings war, bitter feeling and destruction, and knows no rule, save that which governs a race of barbarians "might makes right." It leads men to resort to false representations, to make promises with no intention of fulfilling them, to the blunting of conscience, to perjury, to arson and to minor misdemeanors innumerable.

To bring the mighty force under proper control, seems like an herculean task, and one which it is beyond the power of man to do. It certainly cannot be accomplished in a day or a week or a month or a year, but I do not look upon it as an impossibility. It is hard to teach an old dog new tricks, but it is possible to educate the young, and even if we make an effort now which brings no immediately satisfactory results, it will surely benefit the generation to come. It will be well, therefore, for those of you who agree with my views, to make efforts to educate those in their employ, to use only honorable and upright means for securing their standing in the business world.

Impress your salesmen that they are representing you, and that you want their business methods to be such as are worthy of you. Much of the trouble that we now experience arises from unworthy and incompetent men holding these positions, which are under the present regime of much greater responsibility than was the case fifty years ago.

This branch of your business must be in the hands of men who are of ripe judgment, high morals and excellent business qualifications. The presence of men who lack

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these qualities in the ranks of our salesmen, is one of the problems that we have to contend with.

That this subject has already received consideration at the hands of thoughtful men, is evidenced by your presence here to-night. "The Hardware Merchants & Manufacturers Association of Philadelphia" must be one of the factors in bringing this mighty force under control so far as lies in its power, and that some progress has been made is shown by the fact that you have met together as men and friends, and not as enemies with daggers drawn.

That the subject is receiving consideration in a more general way is proved by the existence of bodies such as the National Jewelers' Association, the National Druggists' Association, and last but not least the National Hardware Association. I have the honor to be a member of the last-named, and although I only play one of the second fiddles, I can truthfully say that I keep it in harmony with the first violin, who happens to be one of your own members Mr. W. W. Supplee. Our secretary, Mr. T. J. Fernley, is an entire band in himself, and rarely, if ever, strikes any false tones.

We sincerely hope, gentlemen, that this Association may be a factor in the improving of "Modern Business Methods." That is the purpose of its organization, and while its labors are performed in a quiet and unobtrusive manner, they are directed in such a reasonable manner that the natural effect must be to bring about that feeling of friendship and confidence that is absolutely necessary to a proper understanding between manufacturers and jobbers, between jobbers themselves and between jobbers and retailers.

"A little leaven leaveneth the whole lump." The leaven which we must all use is "A High Standard of Business Methods."

Frank H. Taylor then responded to the toast, the Office Boy.

"THAT OFFICE BOY," BY FRANK H. TAYLOR.

I have observed that there are a great many kinds of "Office Boys," and, in order to understand them, some classification is required. Possibly we may group them as was once done by a professor in a theological seminary, who said his men consisted of three classes—one of whom had talents without piety, the second piety without talents, and the third had neither.

And so of these lads. We have the clever little rascal, the lovely boy who surely is stupid, and the one who seems to fail utterly after a very short trial: yet I believe in the boys and am sure they can improve. In fact, no boy who is anxious to work is very wicked unless we men make him so. His thoughtlessness and irregular ways impress themselves upon us sometimes in a most trying and discouraging manner, but, like all of us, he only needs to be thoroughly busy to be happy, and if fairly treated, skilfully handled, and not crowded too hard, he will display spirit and enthusiasm that will be an inspiration for his masters.

If your boy belongs to the class without piety, let us have patience. The hope of repentence in man is not lost until quite late in his career.

An enthusiastic colored man said at a late quarterly meeting: "Oh, bredren, since I was las' here I done broke all de Ten Commandments, but I t'ank de Lord I ain't lost my religion yet!" And so of our office boy—with all his peculiarities and all his youthful pleasantries, he is a long way from being altogether bad.

And now while I talk about the boy, let it be understood that I consented to speak to this toast for the purpose of bringing to mind all that hard-working and faithful group of people with whom we live. All these are doing their part to advance the Hardware interests, and it is fitting that they who are absent from our banquet should be in our minds as we celebrate the commencement of the year and fit ourselves for the struggle of 1896. For the sake of convenience, we will consider the Office Boy as a type of all the rest.

The Philadelphia Office Boy is primarily good natured. He demonstrated that during the Trolley strike which has just closed, by carrying in his hat the cheerful sign, "I will walk;" and, by doing so, he has called up the better part of our natures. This notice indicated a state of public feeling that was admirable, and I quite believe that the Boy stood for the good nature of the American people, who are glad to help any set of men defend themselves against infringement of private rights. One of these rights is that American workmen shall be free to organize and to support their unions, while it is equally admitted that these unions must not intrude themselves between employers and their individual employes. Sharp practice on either side of this line always makes trouble. I do not wish to excuse the lawlessness of idle ruffians, nor do I praise the barbaric instincts that came to the surface during this strike, but our Boy did well to "walk" so long as our Traction Co. compelled its new men to agree in advance not to join the labor organization.



WILLIAM D. SUPPLEE.

I place the responsibility for the rioting, by persons who had no interest in the struggle, upon the false position of our political officers. It is our fault that this Republic does not demand public men of a higher standard than we now accept. If we trust our safety to men whose chief claim upon us is in their power to marshal this very crowd of ruffians to carry their wards on election day, we cannot expect they will ever control them successfully. So long as public officials find it necessary to hob-nob with the lawless, so long shall we be subject to riots. Let us not throw the blame on the office boy who "walks."

Happily in our business affairs the case is different. There should be but little fear of anything going wrong on the part of men working with employers of high purpose, who value honor and truth. The Office Boy puts his affairs in our hands with confidence, and looks for fairness and prompt advancement when he has earned it—and nowhere are honors won with greater labor than in Hardware. We do not forget that the boy will soon grow up and that we are training the merchant of the future and the future citizen. I say this with confidence, because if it be not true then history will not continue to repeat itself as has been its habit. As I look in your faces, I remember that the

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chief delight of many of the best of you is to recall your own business start, when as an Office Boy in the good old times you began your career by lighting fires and sweeping out the store at an hour in the morning that now appears appalling!

To-day you represent the wealth and power of the manufacturers and merchants in one great field of industry. Who knows but that our office boy shall yet hold in his hands the riches which will either be a curse to him, or will be held by him as a trust for the good of the public?

Patrons of the arts must ever be those who hold money in individual hands. It was recently stated at a University lecture by a distinguished student of history that Florence, the most brilliant city of the Italian Renaissance, and in her prime was the great centre of art—and art of the very highest type—was a city of shop-keepers, not a city of warriors famous for conquest. In Florence public opinion demanded that a rich merchant should not spend on himself more than one-fourth of his income, and that the balance should go to the city and be devoted to the purchase of works of art. These still remain in the public edifices of that city, open to all—an encouragement and



FRANK H. TAYLOR

relief from the struggle for existence that all can enjoy.

If the conditions of to-day do not cause these sacrifices to appeal to us individually, yet we can at least put high ideals before the lads around us. We shall do more in this way than by experimenting with them in profit sharing or offering rewards for extra efforts or exhausting and demoralizing bursts of speed. Mr. Carnegie is reported as saying that wages and their amounts are in the long run governed by "inexorable economic conditions," and I entirely agree that co-operation, profit-sharing and many other of the modern socialistic schemes are based on a too narrow appreciation of human nature. But this sort of speculating will lead us far afield, and I must conclude by giving our Office Boy a good old-fashioned blowing up.

I am going to enter a complaint against the retail Hardware counter of this country over which our products are sold to the American people. As I said, I am going to blow the Boy up, for of course it is his fault. These counters are entrusted to children instead of trained clerks. I say this because I have so often heard the testimony of shoppers and casual buyers to the effect that Hardware stores are the worst places in the world to buy anything. It is the universal complaint that one cannot get intelligent attention. If I am wrongly informed I shall beg the Boy's pardon! But if I am correct it will pay to improve the conditions. Hardware is machinery; the business is technical, and goods must be appropriately selected for their intended service. Training is necessary for their proper sale. The first mistake that a poor clerk makes is to sell a cheap rather than a good thing, and the results are easily seen in the disgust of the buyer, and more seriously in the quiet undermining of the merchant's reputation, who finds that his elaborate exhibits and advertising no longer avail. His business falls away and he is lost, and puts the blame upon Congress. I find that the American people want the right and sufficient thing for every service, and the American people are obliged to buy all of their Hardware from the very Office Boy acting as retail clerk of whom I am speaking. I have undertaken to state this fact without recommending any cure, and I shall close the subject by asking whether we have taken advantage of the skill, the quick wits and the tact of women in disposing of Hardware over our counters? I just remind you that the Office Boy has a sister who has no natural knowledge of Hardware, but one who can be taught.

Finally, I shall be more than rewarded if I have made any of us think more carefully and unselfishly of our assistants who have become, or are properly becoming, essential elements in our success.

I call on you to take a deeper interest in the Office Boy. Watch him and make him your friend; take an interest in his amusements and his life. There are at least some of us who no longer retain the strength and vigor for playing the old games that one time afforded us so much amusement. The spring has gone out of us, and we have come to form part of the audience in all the contests. It is a sign of our genuine manhood that we are occasionally found in the bleachers of the foot-ball and base-ball fields, and I have observed with interest that there no better "rooters" for a home team than the Hardwaremen. This is excellent, but, on my word as an old sportsman, there are greater joys than watching the play of professions of doubtful honesty win for our city, or break worlds' records on our wheels. You will find a better joy and more real satisfaction by devoting a holiday to watching this Office Boy of yours playing shinney on a cheap pair of skates on which you made no profit, or winning a bicycle race on the Fourth of July, or breaking a bat at a ball game. Follow the youngster to the fields, and we shall be sure of a real holiday; and the fact of our presence will insure a renewed devotion and more self-forgetful service.

The company then joined in singing, "And the Band Played On."

T. James Fernley's toast was Ambition.

SPEECH OF T. JAMES FERNLEY.

Mr. President and Gentlemen:—I arise to respond to the toast, not because I have sought a position on this program, but because the Banquet Committee of the Hardware Merchants & Manufacturers Association deemed that it was my duty, at least, to say a few words.

I cannot understand why it is that such a quotation was annexed to my toast. You will find by referring to the menu these words:

"They tell me thou art rash and vain,
A searcher after fame.
That thou art striving but to gain
A long enduring name."

Undoubtedly the imbecile or imbeciles who selected this quotation thought that there was something humorous and sarcastic in it.

But I assure you, gentlemen, that I fail to find either. The quotation starts off with an assertion which is exceedingly indefinite. "*They* tell me thou art rash and vain." Who is it that has told this Banquet Committee that I am either rash or vain? I have never been accused

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of being rash, and no one but my friend from Boston has ever intimated that I was vain.

The quotation says I am a searcher after fame. This, gentlemen, I am prepared to deny, and a majority of the gentlemen around this board will bear me witness that the fame which I have achieved has been thrust upon me. So, gentlemen, I would have the members of this Association distinctly understand that whatever honor they may have conferred upon me in the past has been forgotten, and it is beyond their power to honor me in the future.

Those of our guests present are perhaps not aware of the fact that I positively declined to accept the presidency of this Association because of the fact that objections might be raised by other organizations, superior to this one, with which I am officially connected.

Who are these people that bring this accusation? What is their standing in the community that they dare give to me such untruthful attributes? But by referring to the last part of the quotation wherein it says: "Thou art striving but to gain a long enduring name," I see an attempt to do me the justice that my position in this society commands.

Striving to gain a long enduring name; why certainly, gentlemen, that is what I have been striving for ever since I came to this country, at which time I had not one cent in my pocket.

I have read somewhere that "a good name is better to be desired than great riches," and while this board is surrounded by many men who are possessed of millions, it is somewhat doubtful whether all members of this Association could produce a reputation which, in the esteem of the pure and good, would be as valuable as their cherished wealth.

We all honor the gentleman who has recently been elected president of this Association; he is a man of whom Philadelphians are justly proud. A concern manufacturing more saws and better saws than any concern in the world, owes its success largely to the energy, sagacity and ability of Samuel Disston. We of Philadelphia are proud of him; he is one of us, and at no time has he ever been ashamed to meet as an equal any citizen of Philadelphia, even though he be the most humble employe in his establishment.

Is it any wonder, gentlemen, that when this Association found that a by-law prevented the re-election of Mr. William W. Supplee for more than two successive terms, and after they ascertained that I would not accept the position under any consideration, is it any wonder, gentlemen, I say, that this organization demanded the services of Mr. Disston? Under his administration the continued success of this Association is assured.

I have nothing to say of the gentleman you have elected vice-president. He has been a competitor of mine for years, and I have constantly been compelled to keep one eye on my next door neighbor to see that he did not seduce my customers. This being the fact could I be expected to eulogize Mr. Ritter?

During the past two years this Association has had most excellent officers. One of the guests of the evening asked me, in the reception room, who were to "replace" the officers whose terms expired. I answered and said that such men as myself and William W. Supplee could never be replaced; that a creditable successor to Mr. Supplee we had, and he has been elected.

Under the by-laws it was necessary to elect a successor, but it is no disrespect to the present president of this organization to state that Mr. Supplee is an organizer and leader among men. He is a man, gentlemen, among men.

He found this organization with a membership of 55, and vacates the presidency with a membership of 101. He took the position with a treasury of $772.51, and hands it over to his successor with a surplus of $1,542.93. He took up the gavel from the hands of a man that knew nothing of parliamentary law (although he thought he did), and hands it over to his successor after having instructed every one of the members of this organization in proper parliamentary tactics. During his tenure of office he had associated with him a vice-president, of whom I already have spoken, he who is now our president, and a secretary-treasurer, of whom modesty forbids me to speak.

With this explanation of the sarcastic quotation which is annexed to my name, I desire to proceed directly to the subject of the toast.

"Ambition" is a dream—a vapor,—it is so light and airy that we cannot grasp it,—it is merely a shadow, but so entwined with the destinies of the world, that we are amazed at its intensity, at the slavery that enchains its followers.

Before the creation of the world, when only heaven existed, we read that Satan's ambition to usurp the throne was the cause of his down-fall and confinement in Hades, and the indomitable, unconquered, ambitious—though fallen spirit of the Ruler—is still revealed in the wickedness of mankind.



T. JAMES FERNLEY.

Coming along in history we find Cain murdering his brother Abel because his ambitious spirit was not gratified in the acceptance of his offering, Abel's being preferred.

And so along the whole line of Biblical and profane history we find many examples.

Alexander the Great invading Asia, trying to conquer it so that he could be ruler of the then known world; again, we have Caesar, whose ambition seemed to run in the same line as that of Alexander the Great, and we remember that Brutus his friend who slew him said, "but, as he was ambitious I slew him: there is tears for his love; joy for his fortune; honour for his valour; and death, for his ambition." Such was the end of one of the most ambitious spirits this world ever produced.

Napoleon, with his indomitable, ambitious spirit; see how he sacrificed life, money, everything to be known as a great ruler. What, but ambition, would have led him to cross the Alps in mid-winter to accomplish the object?

We find Noah's descendants building a tower to reach

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Heaven's gates, and feel surprised at their audacity. We do not realize that our own ambitions will appear just as absurd, and if they were chronicled in history they will be ridiculed in the ages to come.

In Enrope we find the great Suez Canal, built as an outcome of commercial ambition.

The Panama Canal stands forth as a monument, although unfinished, to the greatness of De Lesseps' ambition, and undoubtedly will yet be one of the wonders of the twentieth century.

Our own country would not have been discovered when it was, had it not been for Christopher Columbus, whose ambition to find a short route to India, and Isabella was so ambitious to have this project succeed under her reign that she was led to hypothecate her jewels in order to further the project. If it had not been for this ambition, where would our fair country be to-day?

The success of the president of this Association as a manufacttrer of saws is due largely to his ambition to emulate the example of the founder of his business, and for fear the mantle of Henry Disston would not fall upon him, he uses, as you know, the same desk as was used by his predecessor. the only difference being he has allowed his leg to be pulled, while his predecessor always objected to any one attempting the same thing with him.

The great public works of this country and of Europe are monuments to our ambitious men. The Pyramids, work of ages, are enduring, but of no use but to gratify the overwhelming ambition of some past Pharoah.

Take the great discoveries of the day and tell me are not nearly all of these the results of profound study and experiment on the part of ambitious men? It has not been the desire to create wealth that has spurred on our medical scientists to discover the bacilli of cholera, diphtheria and tuberculosis, but it is their ambition to excel and outdo their fellow scientists. The commercial world is full of men who haye succeeded by reason of their ambition, and indeed, gentlemen, there at least two qualities that are *sine qui non* of success in commercial life, the first ambition and the second gall. I am speaking to you now of the former; of the latter I know very little.

What has made it possible for the former president of our Association to be the head of one of the largest jobbing houses in the United States? Why is it that he is the president of a jobbing house with over two hundred employes? I ascribe it, gentlemen, to ambition. Why is it, gentlemen, that I should be such a wonderful success? It is due entirely to my ambitious desires, not to gall. Why is it that we as a city cannot produce men endowed with sufficient ambition to build a canal from this port to the Capes, so that a vessel might be at sea three hours after leaving our docks.

After fixing our mind's eye on some point of vantage, we immediately bend all our energies to attain it. 'Tis not possible to grasp it with the hand, but we must strive to attain it. We must work with the object of ambition constantly in view.

> The heights by great men reached and kept,
> Were not attained by sudden flight;
> But they, while their companions slept,
> Were toiling upward in the night.

The following gentlemen were present:

William W. Supplee; Samuel Disston; H. H. Bishop; Samuel A. Bigelow; R. R. Williams; R. O. Moon; Joel J. Bailey; Silas W. Pettit; J. Wesley Supplee; C. Staurt Patterson; Mahlon N. Kline; Fayette R. Plumb; Charles L. Mead; Ralph H. Plumb; F. E. Drury; James F. Hope; Lewis W. Klahr; A. B. Lovejoy; I. F. Bless; William D. Supplee; C. Stanley Hurlbut; J. C. Bowe; T. Henry Asbury; Frank H. Taylor; Wm. H. Allen; Alfred P. Shannon; Wm. C. Peters; Paul A. Griffith Chas. M. Biddle.

John R. Griffith; Henry W. Scattergood; H. J. Gosling; S. E. Carver; E. G. Chandler; Harry N. Barnett; Henry Barnett; Alfred W. Barnett; William Wilson; Samuel F. Wilson; C. W. Asbury; Chas. M. Seltzer, M. D.; John R. Seltzer; Edward Knight; James H. Ritter; Cyrus D. Martin; Hugh McCaffrey; John McCaffrey; Harry E. Asbury; Charles M. Ghriskey; Louis J. McGrath; Thomas Devlin; George W. Van Tine; C. S. Van Wagoner; Wm. S. Lloyd; Robert W. Mallon; H. H. Barton, Jr.

H. B. Nicholson; Leon S. Dexter; Elliott Fisher; Frank West; H. A. Terry; Frank G. Drew; J. H. Van Newkirk; Geo. Reuter, Jr.; John M. Reeves; R. J. Maharg; Tylee B. Hendrickson; Thomas Nelson; John E. Harbster; Walter J. Parsons; S. Spencer Scott; Harry C. Disston; James D. Green; W. D. Walkley; George L. Irvin; Frank W. Huff; Wm. R. Weaver; Chas. H. Cake, Jr.; Benj. H. Gault; Alfred C. Rex; Edward Darby, Sr.; L. V. Wolf; J. Harry Pepper; E. Bertram Pike; Thomas Hobson; Job T. Pugh; M. D. Dwight, M. D.; R. H. Spurgeon; H. Condon; J. P. Habermehl; A. P. Swoyer; Chas. J. Rainear; Dr. Charles H. Reckefus, Jr.; Elmer E. Brown; John B. Conway; James S. Bonbright; John Roberts; Chas. E. Grange; Walter T. Bradley; William Steele; T. James Fernley; James D. Foot; Robt. J. Johnson; T. H. Baldwin; Jacob M. Vogdes; Chas. Taylor Jenkins; Ralph H. North; Wm. A. Graham; A. C. Albrecht; Geo. A. Graham; L. H. Pease; C. A. Weeks; Crawford Miller.

The banquet committee was composed of the following gentlemen: Fayette R. Plumb, Chairman; Lewis W. Klahr; Samuel Disston; T. James Fernley, and John R. Griffiths.

ANNUAL ELECTION.

At a meeting of the Hardware Merchants' & Manufacturers' Association of Philadelphia, held on January 21st, the following officers were unanimously elected:

President: Samuel Disston.

Vice-President: James H. Ritter.

Secretary-Treasurer: T. James Fernley.

Board of Directors: William W. Supplee, Samuel Disston, James H. Ritter. T. James Fernley, Fayette R. Plumb, Hugh McCaffrey, Charles M. Ghriskey, John Griffith, William C. Peters.

Acme Razor Strops.

On page 51 of this issue the Acme Mfg. Co., No. 441 Broadway, New York, make an announcement in regard to Razor Strops which should attract the attention of every dealer interested in that line of goods. The cost of a postal card will bring you the terms, proposition, etc., and they feel that they are in position to do you good. The addition of new machinery, and the increase of other facilities, has enabled them to handle a large trade at the lowest cost.

Hardware Gatherings.

The East Tennessee Hardware Association met at Morristown, Tenn., on January 15th. The first meeting of this association was held at Greenville in October last. It is composed of Hardware merchants from different parts of East Tennessee. At that meeting G. E. Speck, of Morristown was elected president, J. W. Willis, vice-president, and R. M, Rogers, of Greenville, secretary and treasurer. At the meeting which was held on the 15th, an address was delivered by the president, on "My idea of the Benefits to be derived from this Association." This subject was ably handled, the speaker showing the advantages in a social way, and the protection gained to the trade through organizations of this character, J. W. Willis spoke on "How and When to Buy," and William C. Brown on "Drawbacks to the Hardware Business in East Tennessee and How to Handle Them," The business was completed in the evening, and the Association adjourned to meet at Athens, Tenn., on June 9th, 1896.

The second annual convention of the Western Retail Implement & Hardware Dealers' Association was recently concluded at Kansas City, Mo. Speeches were delivered by J. M. Patterson, representing the jobbers, W. C. Nones, representing the manufacturers, W. L. Day, on behalf of the traveling men, and E. R. Moses, as spokesman of the dealers. Other addresses of an interesting character were also delivered. A reception was tendered the visitors by the Kansas City Vehicle, Implement & Hardware Club, at the rooms of the Commercial Club. Speeches of welcome and responses were made. On the second day reports were made on the various subjects of interest to the Association.

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Review of the Markets.

The condition of the Hardware market would indicate that dealers were beginning to anticipate the spring trade. Mail orders are more numerous and liberal. The character of orders received from traveling salesmen shows that stocks in the hands of dealers are small. Some price cutting has been reported, but, on the whole, prices have been held steadily.

Wire Nails: There are no changes in prices to report. Quotations are on the basis of carload lots, $2.25 per keg, base, f. o. b., Pittsburg; less than carload lots, $2.35, base, f. o. b., Pittsburg. Carload lots on dock at New York, $2.43; small lots out of store, $2.53. The recent meeting of the Wire and Cut Nail manufacturers held in Pittsburg was merely a meeting to transact routine business and not in the interests of a combine between these two branches of the industry, as has been alleged. There has been an understanding between manufacturers of Wire and Cut Nails for some months past, limiting the production. The tone of the market shows improvement.

Cut Nails: Prices remain the same. We quote as follows: $2 per keg, base, f. o. b., Pittsburg. Carload lots on dock, New York, $2.18; small lots on dock, $2.20, and small lots out of store, $2.30.

The new price list issued by the National Lead Co. for Lead in Oil is as follows: In lots of less than 500 pounds, 5¾ cents net; in lots of 500 pounds and over, 5¼ cents; Red Lead and Litharge in barrels and half barrels, ¼ cent per pound less than price in kegs; White Lead in 12½-pound pails (packed in 100-pound cases), 1 cent over price in kegs.

Putty: Quotations are as follows: $1.40@$2.25, as to style of packing and quantity.

Linseed Oil: Prices remain unchanged, and are as follows: Raw, 42 cents per gallon; boiled, 45 cents per gallon, and Calcutta raw, 50 cents per gallon.

Clapp & Co., bankers and brokers, New York, in their weekly letter, say: "Our Golden Executive and Silvery Senators will not forget the debt they owe to Uncle Sam. The prosperity of every hamlet appears to rest on their yea or nay. Hope trembles in eager anticipation of witnessing unselfish courage. The Republic delights to honor a confession of error that corrects the mistake. Labor and capital stand hand in hand awaiting the word that will start hesitating industry into unparallelled activity. Our national debt was reduced over 1880 million dollars during twenty-four years ending March 1, 1893. For three years ending March 1, 1896, it may show an increase of over 262½ million dollars; adding interest to maturity the debt will be increased to about 500 million dollars. We believe a popular loan should be so arranged that the people could subscribe for small or large bonds at all National banks or sub-treasuries or post-offices at a fixed price, rather than be hampered by complications to aid syndicates. There is no doubt but one or two hundred millions have been subscribed for, but the Government will scarcely secure as much net money as if the loan sold under the French or equity system of popular loans. The pending Tariff bill appears to only need the support of a few United State Senators who represent people that have taken immense sums from the treasury. The President's tariff agitation evidently has cost the Government and people untold millions, by creating a deficiency in revenue which can likely be made good from this time on by his signing the proposed tariff for revenue bill."

THE TOLEDO TRADE.

Again another year has passed, and we can look upon another year's business that has gone by. No doubt, most all have by this time finished taking stock and invoicing, and are prepared to again enter the commercial field with renewed zeal and new hopes. In looking over the past year, we can see a great many things that have tended to make the Hardware business (by the way, it is Hard-wear) profitable and enjoyable; still there are a great many things that would have been better if they had not existed, for instance, booms and inflated prices, but there is satisfaction comparing invoices of January 1, 1895, and January 1, 1896, and that we are not obliged to face a loss of from 10 to 25 per cent. as in previous years. As far as we are concerned, we can say that 1895 has been a banner year for us. We have sold more goods this last year than any other year, 1892 not excepted.

Trade this month so far has been quite satisfactory, in fact, better than any previous January. Collections are fair, but not as good as we would like to see them, but still up to the average. Looking forward to spring, we anticipate a brisk trade, provided our Fathers in Washington will let us do so. By the way, it would be a good idea if Congress would pass the appropriation bill, repeal the tariff laws at present, adopt a protective tariff and then go home.

Wishing all the subscribers of *Hardware* a prosperous New Year, we remain, THE STOLLBERG & CLAPP CO.

THE BUFFALO TRADE.

The annual inventory is about completed, and the traveling men are just commencing their work, consequently it is a little early to say much of special interest regarding business.

Thus far trade has been quite satisfactory, it being a decided improvement over a year ago. Stocks in the hands of the retailer are low and need replenishing. For this reason, if for no other, we anticipate a fair trade.

Prices on barbed wire, poultry netting and wire screen cloth are not as firm as we should like to see them, but we hope that as we approach the spring trade these difficulties will not exist.

From all reports that we can gather we are led to believe that we will all enjoy a steady trade, and should nothing unforeseen occur, we have every reason to believe that we will realize our expectations. WEED & CO.

THE DAVENPORT TRADE.

A very interesting, but nevertheless unaccountable feature of the Hardware trade has recently developed, in a perfect rush of orders for barb wire.

The uninteresting and easily accounted for dullness continues in the wire nail market.

Sales are being made in binder twine for future shipments, but contracts are frequently offered, with so many strings attached, that they are either returned to the buy-

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RAZOR STROPS?

IF SO

WHY NOT CONSULT US?

We are the largest manufacturers in this country. . . . . .

SEND on for samples or send on your own to be figured on and we will quote you prices that will take your breath away. . . . . .

PROMPTNESS of delivery, premier workmanship, terms and every other detail conducive to good business methods, are guaranteed by us. . . . . .

GET in line and don't be satisfied with old 100 per cent. profit prices when you can deal direct with the "ACME" of the line.

Acme Mfg. Co.,

Manufacturers of all kinds of

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ers, with thanks, or are entered very reluctantly. Why should so staple an article be sold in such a fast and loose manner? The seller never really knows whether a sale has been fully consummated; even if it has been surely made, he is never quite certain what price he will ultimately receive for his goods. Would it not be better for all concerned, if seasonable goods were withheld from market until nearer the time for using them? This would especially apply to screen wire, poultry netting, haying tools, farm implements, such as forks, rakes, scythes, snaths, etc., etc.

Manufacturers of screen wire are evidently trying to see how cheaply they can sell and continue to enjoy the sport of reducing prices; and it is safe to predict, that after the present losing game is finished, they will all get together and advance prices from two to three hundred per cent., trying to regain in one year the profits that it has taken them six years to lose.

Collections are improving, and if the war clouds in the East continue to develop, they may yet be beneficial to the crops of last year that are so largely being held in cribs and granaries awaiting higher prices.

Sickels, Preston & Nutting Co.

THE ST. PAUL TRADE.

Business in this market during the month of January is habitually very light, and this year is no exception to this rule. The retailer is selling very few goods, but is trying to get his pay for what he has sold; consequently he is not in the market to replenish his stock. To be sure, some jobbers are trying to secure advance orders for wire, nails, wire cloth and some other articles, but with the present condition of the market, there is very little inducement for the dealer to purchase. It is to be hoped that later on, when the time has arrived to use goods in the Hardware line, that we shall all enjoy our usual volume of trade. The prices on all market products continue to rule very low, and a small appreciation in this line would undoubtedly greatly stimulate all kinds of business.

C. W. Hackett Hardware Co.

THE PHILADELPHIA TRADE.

It is pleasant to report that salesmen are once more on the road and business is commencing, orders are coming in with some freedom, and the assortment is good and quantities fair in size, the only drawback seems to be collections, which at present are slow.

The demand for bicycle sundries is phenomenal, far exceeding expectations, and these are, apparently, to be an important part of the Hardware business, while the sale of bicycles is keeping up in a way that surprises us all. Of course the open winter has had much to do with this, and never has riding been so general throughout the season.

As for skates, the demand has simply been enormous and we do not recall a year in the last decade that the output has been so large, especially on ladies' skates, and on these it has been impossible to fill orders.

It is always a gratifying sign when retailers exhaust their stocks of winter goods as they are much more disposed to buy for spring, and prospects on all sides seem to point towards a fair spring trade, which we hope will be realized.

Biddle Hardware Co.

THE BOSTON TRADE.

January is a month which is always welcomed by the average Hardware jobber, inasmuch as it gives him an opportunity, after having taken the annual inventory, to look

Don't Be Bulldozed

"We ask our friends not to be frightened from purchasing Lawn Rakes of our manufacture. We own a patent which ante-dates all others, and we are amply able to maintain our position. If you receive threatening circulars please send them to us. We are in the Lawn Rake trade and propose to stay on top. Write for our circular letter setting forth the facts."

Will soon illustrate a Patent recently allowed us on CHANNEL HEAD.

RYAN & NEEFUS.
EASTERN AGENTS,
75 CHAMBERS ST.,
NEW YORK.

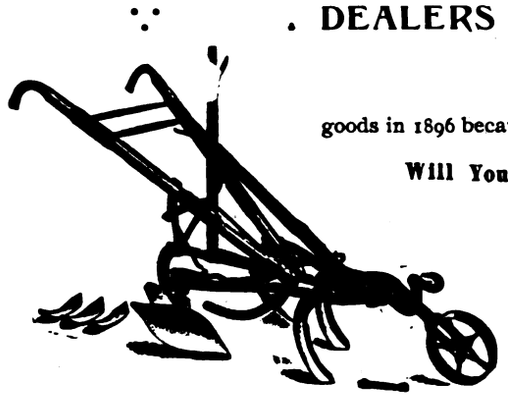
F. E. KOHLER & CO.
The Hardware Specialty Mfrs.,
CANTON, OHIO.

Would IT INTEREST You?

Well, we think so, for our 1896 Catalogue describes our full line of . . . . . **Planet Jr.**

Seed Drills, Wheel Hoes, Harrows and Cultivators,

——————including several entirely NEW machines.



. **DEALERS** will sell

PLANET JR.

goods in 1896 because it . . . . . **PAYS.**

Will You be One of Them?

S L. Allen & Co.

MANUFACTURERS,

Philadelphia, - - - Pa.

Side Line Offered

SALESMEN for good line imported pocket knives and scissors as a side line on commission to retail trade in Ohio and Pennsylvania. "Importer," care Hardware, No. 143 Chambers Street, New York.

SALESMEN wanted to sell a side line on commission; Eureka safety wall pipe round, oval, square heater pipe and elbows. Write orcall. The Paterson Heater Pipe Co., care Hardware, No. 143 Chambers Street, New York.

For Sale.

SCARCITY of game and stringent game laws leaves me about twentyfive single and double barrel guns and a line of gun implements, flasks, etc., to sell at a bargain. Correspondence solicited. C. F. Ballard, Washington C. H., Ohio.

Agency for England.

WANTED, agency for England by a gentleman residing in Birmingham. Thoroughly acquainted with the Hardware trade; energetic, hard-working and most trustworthy. First-class reference. Agency in the bicycle fitting line especially wanted. Address "Birmingham," care Hardware, No. 143 Chambers Street, New York.

Phillips Screens

FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

The A. J. Phillips Co., Fenton, Mich.



FOR "POULTRYMEN"

THE "DAISY" BONE CUTTER.

BEST IN THE WORLD

"Gem" Clover Cutter. The $5 Shell and Corn Mill. Farm Feed Mills, Powder Mills.

Send for circular and testimonials.

WILSON BROS., Sole Mfrs., EASTON, PA.

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carefully over the business of the past year, and note whereby certain methods may be improved, goods that have not met with the ready sale that was anticipated be brought to the front, adjustment of certain expenses in order that the best results may be obtained for the amount expended, and a general correction of errors which naturally arise in a business having such a large amount of detail.

The history of the year just closed having probably been more interesting from a financial point than those preceding, the question arises what is the outlook for 1896? Although there exists at the present time certain unfavorable conditions and disturbances in the financial and political world, such as create an uncertainty in future operations, yet it is firmly believed that our national obligations will be honorably met, business will soon go on in its usual channels, and indications for improvement are sufficient to encourage every earnest and hopeful effort. In the meantime merchants continue a conservative policy and place orders for only such goods as immediate demand requires.

FRYE, PHIPPS & CO.

THE CLEVELAND TRADE.

Early January is always a month that produces very little actual business. In some seasons there is quite an active booking of orders for future delivery, which tends to swell the actual business of March and April. The conditions of the market at present, however, are not such as to encourage the trade in carrying out this custom, as the staples are undoubtedly weak, and seem to tend to lower values.

The price of nails is maintained by the Association, and purchasers are made by dealers only in such quantities as they absolutely need, the feeling being upon all sides that the price is entirely too high as compared with other articles, and that it must perforce be reduced before very long. Smooth and barbed wire are very unsettled as to price, although they are gradually reaching a figure below which it will not be possible to go.

Some people seem to think that the recession of prices is an extreme one and that they are now lower in many cases than is justified by conditions. These prophesy an advance within the next six weeks. For ourselves, we are not in the business of prophesying, and believe that the safe and conservative course of buying is the one that should be practiced by retail dealers at all times, regardless of the condition of the market. Their business is a legitimate one, into which speculation does not enter, and if they can obtain a reasonable profit upon everything that they handle from time to time, they are certainly doing a successful business.

Bicycles are taking up much of the attention of the trade at present with their efforts to make arrangements for the coming season. The Chicago Cycle Show has come and gone, and while there was not very much actual business transacted there, it has probably laid the foundation of acquaintances between manufacturers, jobbers and dealers, so that it will result in business in the future.

The fact was developed on this occasion, that there is a marked scarcity of wheels at popular prices. It will be well for dealers who use these in an ordinary way to recognize this fact and make their arrangements so that they will unquestionably be covered when they are required. Present indications point to a much larger bicycle business during 1896 than has ever been known in this country.

THE MCINTOSH-HUNTINGTON CO.

THE OMAHA TRADE.

Very little is being done of late except to close up the business of the last year, and prepare to open that of the present one. Comparatively few salesmen have been on the road, most of them being employed in posting up on the lines of goods and getting their catalogues and sample cases in shape to start out. The past year, while not up to what was expected of it early in the season, has not dealt unkindly with the Hardware trade. The volume of business has been somewhat in excess of the previous year, and prices have been fairly well maintained.

Reports come of irregularity and extremely low quotations made on wire cloth, screen doors, and other season goods for spring delivery, and the anxiety with which

HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

Wheels FOR The People

"APOLLO," $75.00

"VESPER," $50.00

High Grade Juvenile Wheels

"CYCLOE" AND "FAIRY."

LAMPS, BELLS AND SUNDRIES.

Call and see us at Space 49

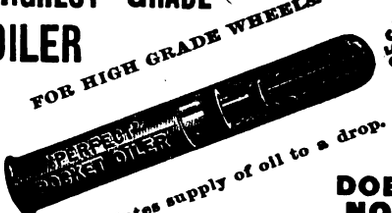
CHICAGO CYCLE SHOW.

EDW. K. TYRON, JR. & CO.,

Send for Catalogue Ready January 1st. PHILADELPHIA.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



Regulates supply of oil to a drop.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILL
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn

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dealers fall over each other for unprofitable orders on season goods from six to eight months ahead of the time they are used, doubtless carries the impression to the retail trade that they pay a very large percentage of profit. Should the time come when these goods are sold on a business basis, and when they are needed, it will result to the advantage of the manufacturer, jobber and dealer, without the demoralization now existing, and the retailer, with no inducement to overstock, will buy his goods when he needs them, and sell them at a profit, and in the long run all parties interested will be better satisfied.

RECTOR & WILHELMY CO.

THE COLUMBUS TRADE.

We can hardly say what the trade prospects are for spring, as we have been moving into our new and commodious quarters, and have paid but little attention to trade for the past three weeks.

We have had some very encouraging orders the last few days, however, and hope this fact is a forerunner of good things ahead.

Collections are not good; in fact they are bad. Prices on smooth and barb wire seem to be badly demoralized, and the same condition of affairs on this staple article is being repeated, namely, selling at cost, or nearly so. It helps the volume of your business you know, and some dealers seem to be satisfied with that.

There is no settled price on screen wire cloth; every manager and jobber has his war paint on, and forgets that it costs money to do business.

This has been another good season for skates, and managers and jobbers are sold out on the low-priced grades.

Bicycles are selling well, and it looks as though there would be a scarcity of popular priced wheels.

There have not been many changes in prices on builders' and shelf Hardware. THE SMITH BROS. HARDWARE CO.

THE CHARLESTON TRADE.

January business is fully up to expectation, and we are uncomfortably behind in completing orders. It is, of course, impossible for any traveller to be at more than one place or neighborhood in his territory at a time, and we are in daily receipt of postals inquiring when our representative will be around. The extremely favorable weather has permitted all farming operations to be carried on without interruption, and the demand for all lines of goods pertaining to preparation for planting is in consequence unusually good. We are still on the anxious bench, waiting for some encouraging news of shipment from manufactories of much needed goods, but the indications are that if we receive at all in time the quantities will barely enable us to partially fill orders already taken; with little prospect of supplying those that may hereafter come.

Business, although unusually brisk, is made so by the number of orders rather than the size of any, and our experience is that we will have a continuance of such for a larger period than usual, and the strictly early spring business be gradually extended until far in the spring proper, and give a steady business until the close of the year.

Prices have varied slightly, but no decline sufficient to be specially noted has taken place. While indications point to material concessions on many lines in the near future, we do not think such reductions will seriously affect stocks that may then be on hand.

The fact that the consumers' demand has been good, and the obtainable supply limited, the accumulation of any special line has been impossible. Collections have taken on new life, and it is very gratifying to record the numerous settlements already made.

It has been the custom for ages, commercially speaking, for arrangements for fall settlement to be made when January purchases are received, and we were fully prepared to have numerous customers remind us of their usual mode of settlement, but up to the present writing few have intimated that purchases were made with such expectation and understanding. This condition of trade is very satisfactory, and we see no reason why accounts should not be materially reduced by the time the crop is fully planted, and if extension to fall is needed the amount in proportion to volume of business be less than for years past.

Few novelties are offered in Hardware, and the monotony of looking at the old standard samples and handling the same style of goods year after year is dreadfully tiresome, the only variation being that each is handled in season, and the season occurs only once annually. We hope to be able to continue the heretofore good report of business since June last, and even to report an improvement on present conditions.

Should the spring and summer be favorable to truck farmers and fruit growers, it will round a year almost unexampled in the history of the South, and materially replace the losses of the past three years, which were not only non-sustaining, but entailed actual loas on the entire farming commtunity. MARSHALL, WESCOAT & CO.

THE PITTSBURG TRADE.

The year 1896 has opened with a fair degree of activity in Hardware. January is not usually one of the big months and this year will be no exception to the rule. Our mills and mines are generally running, but are not pushed to their capacity, as buyers are conservative and only ordering for immediate wants.

Prices of heavy goods have receded with the fall in iron, and seem to have reached "hard pan." We are glad to note a slight reaction in the pig iron market, and as coke is to be held up, and labor is not giving way, there must be better prices for iron soon. If our legislators would only settle the financial question on a substantial basis, so that confidence could be established, we believe all other conditions are favorable to good business this year.

LOGAN, GREGG & CO.

THE BARNES WHITE FLYER

Is a Popular and Trustworthy Mount.

IT can boast of more novel features than any machine on wheels. . . . . .

The Barnes Cycle Co.,

Write for Catalogue. Syracuse, N. Y.

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.



THE KILBOURNE & JACOBS MFG. CO.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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The Kirk-Young Mfg. Co.

TOLEDO, OHIO.

Manufacturers of

High Grade Wheels

At Medium Price.

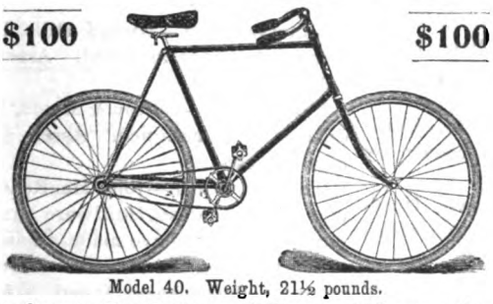
Especially Designed for the Hardware Trade.

Write for Territory and Prices NOW

The Standard for the World.

COLUMBIA BICYCLES.

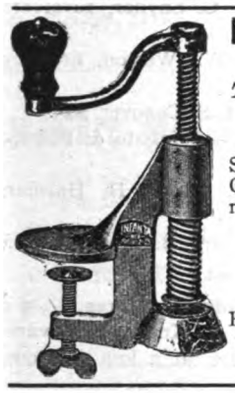
$100 $100



Model 40. Weight, 21½ pounds.

Leading in Popularity and Improved Construction. Unequalled—Unapproached.

POPE MANUFACTURING CO.,
Hartford, Conn.



MERIDEN MALLEABLE IRON CO.,

SOLE MANUFACTURERS OF

THE INFANTA CORK PULLER

Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

THE RAPID CORK PULLER

—AND—

RAPID LEMON SQUEEZER.

Best in the market. Send for circulars and prices.

MERIDEN, CONN., U. S. A.

THE

Norton Door Check and Spring

Attached either side of Right or Left hand door.

THOUSANDS IN USE.

. . . *WRITE FOR PRICES.*

Address

The Norton Door Check & Spring Co.,

CHAS. S. PENHALLOW, Treas.,

505 Sears Building, - - Boston, Mass.

THE GENUINE

PHILADELPHIA

LAWN MOWERS

ARE

GOOD machines.
BETTER than others.
BEST known.

WHY?

BECAUSE WE MAKE THEM

SO.

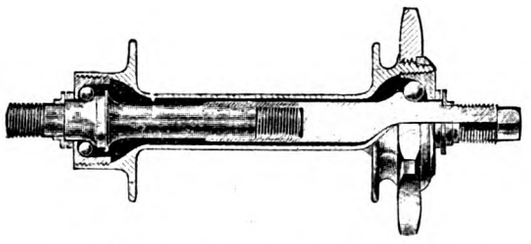
SEND FOR CATALOGUE.

The

PHILADELPHIA LAWN MOWER CO.,

3107 & 3109 Chestnut St.,
PHILADELPHIA, PENNA.

Truman Bicycles.



This is our Coneless Hub.

CAN YOU BEAT IT

FOR SIMPLICITY?

All our Wheels fitted with this Patent Hub.

Apply now for Territory.

Plenty of Material.

Deliveries Guaranteed.

ADDRESS,
(Cable or Mail,)

Truman,

Toledo, O.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Augusta, Me.—W. C. Miller.

Belmont, N. D.—S. Kuntson.

Elizabeth City, Va.—James Aydlett and John L. Sawyer.

Galveston, Tex.—The Blum Hardware Co.

Mt. Abington, Mass.—Benjamin Clark.

Plymouth, Pa.—Jacob Copland.

Redlands, Cal.—John F. Dostal.

San Antonio, Tex.—The Tips Hardware Co.

Waco, Tex.—The Breustedt Hardware Co.

Record of Changes.

Arcadia, Iowa.—H. W. Pruter, Hardware, reported sold out.

Athens, Ohio.—F. E Goldsberry has bought the Hardware stock of G. W. Ullom, who recently assigned, and will carry on the business at the old stand.

Auburn, Wash.—H. M. Wade, Hardware, reported sold to C. S. Cavanaugh.

Baltimore, Md.—Lyon, Conklin & Co., Hardware, etc., special partnership expired by limitation. Business will be continued by Wm. P. Lyon, Oliver P. Lyon, Cardiff T. Lyon and Daniel E. Conklin.

Burlington, Vt.—The Hardware firm of Batchelder & Robinson have dissolved, Mr. Batchelder retiring.

Caddo Mills, Tex.—Hulsey, Bain & Briscoe, Hardware, reported to have been succeeded by Hulsey, Bain & Williams.

Calumetville, Wis.—H. Koenig, Hardware, etc., reported to have been succeeded by Koenig & Schussmann.

Carthage, Ind.—Walter C. Henley, Hardware, has been succeeded by Nathan C. Binford.

Celeste, Tex.—D. C. Kennedy, Hardware, reported sold out.

Centreville, Ind.—Pere T. Forman has sold his interest in his Hardware business to each of his brothers, Harry Forman and William H. Forman. The business will in the future be conducted by the new firm of Forman Bros.

Cissna Park, Ill.—Scharlack & Weidner, Hardware, has been succeeded by Scharlack Bros.

Clinton, N J.—Houness & Butler, Hardware, etc., have dissolved partnership.

Cripple Creek, Col.—Wilson Hardware Co., reported to have been sold to Cripple Creek Hardware Co.

Delavan, Ill.—Darling Bros., Hardware and agricultural implements, reported sold out.

Dresden, Tenn.—G. W. Jeter, Hardware, etc., reported to have sold half interest.

East Meredith, Conn.—Mr. Hudson has sold his interest in the Hardware business to Walter Smith, of Davenport Centre.

Effingham, Kan.—G. D. Bennett & Co., Hardware and tinware, reported to have been succeeded by G. D. Bennett.

Elgin, Ill.—Reed & Heine, Hardware dealers, reported to have been succeeded by William Sulfin.

Estherville, Iowa.—E. B. Hall, Hardware, reported sold out.

Gays, Ill.—W. E. Treat, Hardware, etc., reported to have been succeeded by Treat & Blythe.

Greenleaf, Kan.—W. S. Flear & Co., Hardware, reported sold to F. A. Ayers.

Homer, La.—Denman & Co., Hardware, reported sold to the Homer Hardware Co.

Humboldt, Neb.—E. P. Tinker, Hardware, etc., reported to have been succeeded by Wm. Lighthill.

Itasca, Tex.—T. G. Cansler & Co., Hardware, reported to have been succeeded by Cansler & Parks.

Lawrence, Kan.—Duncan & Stevens, Hardware, succeeded by W. H. Duncan.

Nevada City, Cal.—Legg & Shaw, Hardware, incorporated as the Legg & Shaw Co.

Newark, N. Y.—The Hardware firm of W. J. Bronk & Co. have dissolved partnership. Mr. Bronk continues the business.

Nunda, Ill.—Jackman & Collen, Hardware, stoves, etc., reported to have been succeeded by Jackman Bros.

Oneonta, N. Y.—L. B. Lennon, Hardware, reported to have been succeeded by Townsend Bros.

Oneonta, N. Y.—W. L. Brown, Hardware, etc., reported to have been succeeded by Brown & Ward.

Pascoag, R. I.—George P. Gross has sold his Hardware store to George Carter.

Perry, N. Y.—M. H. Olin & Son, Hardware, reported to have been succeeded by Olin & Peake.

Poughkeepsie, N. Y.—Deyo & Andrews, the Hardware dealers, have dissolved partnership. Mr. Andrews will continue the business.

Redfield, S. D.—E. B. King & Co., Hardware, reported to have dissolved partnership.

Reed City, Mich.—B. F. Cooper, Hardware, reported sold to E. Brearly.

Rosebud, Tex.—W. A. Henslee, Hardware and agricultural implements, reported to have been succeeded by Tarver & Henslee.

Scranton, Pa.—W. B. Bertels & Son, the East Market Street Hardware merchants, have disposed of their store and contents to H. U. Merithew, who was formerly a partner in the firm of W. B. Bertels & Co.

Springfield, Mo.—J. F. Carmack, formerly of the Simmons Hardware Co., of St. Louis, has purchased the Hardware department of Wiley, Dillard & Co. on Commercial Street.

Springtown, Tex.—Prague & Co., Hardware reported to have been succeeded by Lee Young.

Stromoburg, Neb.—Edward Carlson, Hardware, reported sold out.

Topeka, Kan.—Griggs & Axtell, Hardware, reported to have been succeeded by P. W. Griggs & Co.

Trenton, N. J.—C. W. Bird, Hardware, etc., sold to Cook Hardware Co.

West Lafayette, Ohio.—Richard & Culbertson, Hardware, have been succeeded by Walters & Culbertson.

Improvements and Removals.

St. Joseph, Mo.—Parrish-Erickson Hardware Co. have moved to their new store, Nos. 516 and 518 Edmond Street.

Business Embarrassments.

Arroyo Grand, Cal.—William Thatcher, Hardware, reported to have made an assignment.

Cincinnati, Ohio.—Michael Pfiester, Hardware, reported to have made an assignment.

Fishkill, N. Y.—Halsey F. Walcott, Hardware, etc., reported to have made an assignment.

Henderson, Tenn.—Alves & Rankin, Hardware dealers, have failed. Liabilities, $10,000; assets, $18,000.

Malinta, Ohio.—A. E. Niswander and Eugene Packard, Hardware merchants, have made an assignment. Liabilities are $15,000.

Minerva, Ohio.—Nims & Hills, Hardware merchants, have assigned. Assets, $2500; liabilities, $1200.

Perry, Iowa.—Bartow & Myers, Hardware dealers, have assigned. Assets, $5500; liabilities, $4500.

Tacoma, Wash.—John MacReady & Co., one of the oldest Hardware firms in the city, reported to have made an assignment.

Worthington, Minn.—Evans Bros., Hardware dealers, have failed. Liabilities, $4000; assets, $6000.

Burglaries in Hardware Stores.

Aberdeen, Md.—James A. Wiles, cutlery and revolvers.

Buffalo, N. Y.—McGoffey, $100.

Canton, Ohio.—C. C. Snyder, revolvers and cutlery.

Dallas, Tex.—W. W. Weston, firearms and cutlery.

Franklin, Ohio.—H. S. Conover, $45.

Kansas City, Mo.—Wingate & Bishop, $100.

New Rochelle, N. Y.—E. H. Harmer, small loss.

Rochester, N. H.—Ira B. Moore & Co., $50.

Fires in Hardware Stores.

Granton, Wis.—A. J. Knorr, Hardware, etc., destroyed by fire, at a loss of $5000. Insured for $3500.

Hammonton, N. J.—Samuel E. Brown, Hardware, damaged by fire. Loss, $10,000; insured for $6000.

Hartford, Kan.—McGregor & Reed, Hardware, burned out.

Liberty, Neb.—H. H. Mason & Son, Hardware, etc., damaged by fire.

Richmond, Va.—Percival & Bolt, Hardware, reported destroyed by fire at a loss of $4600. Insured for $1500.

Rock Falls, Ill.—McNeil & Co.'s Hardware store completely destroyed by fire.

Stoughton, Wis.—K. G. Olsen's Hardware store was partially destroyed by fire. Loss, $4000; fully covered by insurance.

Toledo, Ohio.—T. J. Smith, Hardware, slightly damaged by fire.

Vicksburg, Miss.—Wright Bros., Hardware store, destroyed by fire at a loss of $65,000. Insured for $36,000.

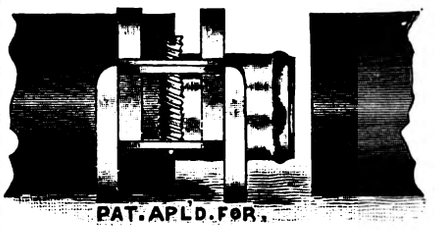
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SUNOL BICYCLES

OUR assortment of Bicycles gives you everything that you want from $40 to $100.

The McIntosh-Huntington Company,
Cleveland, - - Ohio.

SUNOL BICYCLES



Right Now

is the time to put in a Good Stock.

The Double Cinch Hose Band and Mender

The irate sprinkler of lawns, with a "busted" hose and a smell of sulphur, will soon be abroad in the land. . . . . .

Remedy: {Double Cinch Hose Band and Mender, a Screw Driver and Jack Knife, and One Minute's Time. . . .

Send for Catalogue

CLAYTON & LAMBERT MFG. CO.,
Ypsilanti, Mich., U. S. A.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

SEASONABLE GOODS FOR WHICH WE ARE AGENTS:

P. Lowentraut's Ice Skates,
Oliver Ames & Sons' Steel Snow Shovels,
Saugatuck Mfg. Co.'s Wooden Snow Shovels,
G. W. Bradley's Heavy Sidewalk Chisels.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

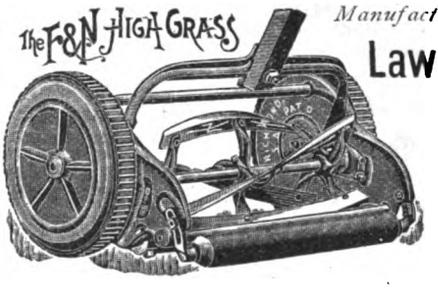
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

Hardware Manufacturers

Who wish to sell their goods in New England should write to

H. G. HIGGINS & CO.,
Manufacturers' Selling Agents
19 Pearl St., Boston.

THE F. & N. LAWN MOWER CO.,



Manufacturers of

Lawn Mowers AND Grass Catchers

RICHMOND, IND., U. S. A.

"The F. & N. High Grass."
"The F. & N. Standard."
"The New Delight." Popular Favorite.
"The Razor Blade." Ideal Light Mower.

Best Material, Latest Improvements, Highest Class Workmanship.

Sales Manager, George B. Main,
No. 79 Reade Street, New York, N. Y.

R. H. & CO.'s 1895 LINE

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

LIGHT .·. SAFE .·. COMFORTABLE

Dealers, Write for Discount.



Jobbers, Ask for Electrotypes.

Manufactured by Geo. Hilsendegan,
DETROIT, MICH

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Chicago, Ill.—The Butler Mfg. Co.; incorporated. Capital stock, $2500; to manufacture Hardware. Incorporators—M. E. Butler, E. L. Church and H. R. Niland.

Chicago, Ill.—The General Mfg. Co., incorporated by J. H. Whitehead, J. S. Butler and N. R. Niland. Capital stock, $2500; to manufacture Hardware.

Dayton, Ohio.—The Cows Fence & Foundry Co., incorporated by a number of Dayton capitalists. The capital stock is $50,000.

Des Moines, Iowa.—The Musgrave Co., which proposes to manufacture and sell wire fences, has filed articles of incorporation. The authorized capital stock is $100,000. The incorporators are E. C. Musgrave, J. S. Mangehmab, G. I. Huffman, L. M. Jackson and W. W. McCullough.

East Moline, Ill.—East Moline Tool Co., incorporated. Capital, $75.000. Incorporators—Adolph W. Shirring, Charles H. Pope and Edward B. Kreis.

Findlay, Ohio.—The Findlay Axe & Tool Co., incorporated. Capital stock, $12,000.

Hartford, Conn. — The Acme Machine Screw Co. have filed articles of incorporation with the State secretary. The capital is $10,000, divided into 100 shares. E. C. Fenn, of Bloomfield; R. Hakewessel, of Hartford; William J. Gabb, of Bloomfield, and A. W. Henn, of Cleveland, Ohio, are the stockholders.

Jersey City, N. J.—The Hecla Co., incorporated by Cornelius Van Wagoner, of Cleveland, Ohio; Christian T. Stork, of Jersey City, and John J. Seeple of Brooklyn. Capital stock, $100,000. The company will manufacture forgings, Hardware and other articles of metal.

Kansas City, Mo.— The Black Diamond Mining Tool Co. Capital stock, $5000. Incorporated by J. R. Cline, H. B. Green, R. L. Yeager and others.

Memphis, Tenn. — The Iron Roofing & Corrugating Co. have filed application for charter in the office of the secretary of State.

Paxton, Ill.—The Tindall Mfg. Co. Capital stock, $10,000; to manufacture Hardware. Incorporators—A. Tindall, W. Lamb, George Grove, John Clapp, J. B. Middledorff and C. A. Nordgren.

Poughkeepsie, N.Y.—The Mitchell Heater Co., incorporated by Charles Mitchell, F. B. Lown, Lewis H. Vail and others; to manufacture water or steam heaters. Capital stock, $50,000.

St. John, N. B. — The McDonald Nut Lock Co., incorporated by C. N. Spinner, of St. John; E. G. Evans, of Hampton, N. B.; Dr. de Bertram, L. A. Dumainville and Thomas S. McDonald, of New York. Capital stock, $60,000; to manufacture nut locks.

Changes and Removals.

Beaver Falls, Pa.—The old Beaver Falls Cutlery Works have been purchased for $75,000 by a company which will use the buildings for the manufacture of steel tubing.

Cambridge, Mass.—The Standard Brass Co. have purchased the entire plant of the Framingham Brass Co., a concern doing business at South Framingham for some time past. The machinery and stock of the latter is now being removed to Cambridge.

Cincinnati, Ohio.—The Lodge & Davis Machine Tool Co. have been reorganized, and will hereafter be known as the Davis & Egan Machine Tool Co. As announced recently the entire Lodge interest in the concern was bought out by Chas. Davis, president of the Lodge & Davis Co.; Robert Laidlaw, president of the Laidlaw-Dunn-Gordon Co.; Thos. P. Egan, president of the J. A. Fay & Egan Co., and Thos. McDougall. The reorganization followed. The two largest machinery houses in Chicago are operated by the Egan and Davis companies, and the consolidation will make one of the largest combinations in the country, employing over 2000 men. The Davis & Egan Co. will manufacture iron, steel and brass working machinery for the production of locomotives, engines, dynamos and motors, bicycles, mining and agricultural and other machinery. The present capacity of the plant will be largely increased. The new company controls unlimited capital, has no preferred stock, and will rank as one of the leading industries of the city.

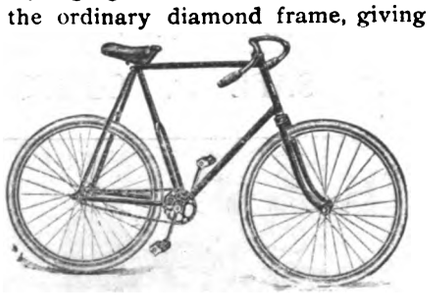
New Buildings and Improvements.

Canton, Ohio. — The Canton Pump Co. have recently put in a new boiler in their East Ninth Street establishment. They have also added a motor for reserve purposes.

Hamilton, Ohio.—The Niles Tool Works Co. are making an addition to their plant of another large foundry to be built of steel, brick and slate, 436x300 feet, and 38 feet high to the roof trusses. Eight overhead traveling cranes will be used, with lifting capacities of from five to thirty tons.

The Union Nut & Bolt Co.'s Wheel.

The Union Nut & Bolt Co., No. 107 Chambers Street, New York, have taken the agency for the America wheel, manufactured by the International Mfg. Co., Nos. 73, 75 and 77 Fulton Street, Chicago. The feature of the America is the truss frame which was patented by Mr. Graham, the superintendent of the International Mfg. Co. The company remark that also in all other respects the America is a strictly high grade machine. The America is also made with the ordinary diamond frame, giving the rider



an opportunity of buying either the truss frame or the diamond. The America line comprises the following wheels: Special America racer, model 9, 17 to 20 pounds, $125; the America, model 8, 20 to 23 pounds, $100; Special America, racer, model 10, 17 to 20 pounds, $125: New America, model 11, 20 to 23 pounds, $100; Improved America, ladies', model 12, 22 pounds, $100, and America tandem, model 13, 37 pounds, $150. The wheels are described as follows: "Scientifically constructed. Specially prepared cold drawn, seamless tubing, 1⅛-inch diameter in main frame, ¾-inch in back frame, and 1¼-inch head. Fully re-enforced, producing unusual strength and lightness. Connections, best steel drop forgings throughout. A much stronger, lighter and more rigid frame than heretofore produced. Heights of frame to suit. Best quality piano wire tangent spokes, thoroughly tested and guaranteed as to tensile strength. Best wood rims. Finest quality solid steel large barrel hubs. Bearings made from highest possible grade of tool steel, absolutely true and uniform; cones specially improved, and every cup and cone being ground, polished and tested. Finest hardened steel balls. Cranks forged from best grade of spring steel. Pedals, improved rubber or rat-trap Brandenburg, Record, Spaulding, or our elegant combination Special 'Graham' pedal. Chain, 'the best' ¼ or 3-16-inch. Saddles, the best models of ease and comfort the market affords. Raised, medium, low drop or our improved special 'adjustable' handle bars. All bright parts heavily nickel-plated on copper. Frames elegantly polished and enameled, plain or striped as desired. Five-inch tread. Tires, customer's choice. Equal in every respect to any strictly first-class, high grade bicycle on the market." The cut shown herewith illustrates the truss frame construction. The Union Nut & Bolt Co. are agents for northern New Jersey and central and eastern New York State and the metropolitan district, also the export trade.

The following announcement to the trade is made by the Rhode Island Perkins Horse Shoe Co., Providence, R. I.: "Messrs. J. C. McCarty & Co., No. 97 Chambers Street, New York City, are no longer agents of this company, our arrangement having expired by limitation this date. A full line of our goods will be carried by Messrs. Vought & Williams, No. 363 Greenwich Street, New York City."

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A MEDIUM PRICED STOVE

WITH INDIVIDUAL BURNER AND PROCESS FLAME



WILL be a leader in the **Vapor Stove** business for 1896. This fact is conceded by all. Examine the merits of **our "D" line** before placing your order for this line of Stoves.

More beautiful and better operating lines than our **Reliable Process** and **Single Generating Stoves** are not manufactured. . . .

The Schneider & Trenkamp Co.

CLEVELAND, OHIO. **CHICAGO, ILL.**

BUFFALO WHEEL CO. NIAGARA BUFFALO, N.Y. U.S.A.

B.E.E.Co.

This name-plate means the Best Bicycle made.

Send for Catalogue. Correspond with us.

BUFFALO WHEEL CO., Buffalo, N. Y.

"THE AMERICA."

A Bicycle

Riders and Dealers Appreciate.

With up-to-date improvements and

That is Built
That Runs . .
That Looks .
That Stays . .

Right

"The America"



Models include not only the usual straight bar frames, but the Original and

Improved "Truss" Frame,

made and patents owned by the International Mfg. Co., under the personal supervision of the inventor thereof.

We also make the finest Tandem on the market, both double Diamond, and Diamond and drop frame.

The Union Nut & Bolt Co.

107 Chambers and 91 Reade Sts., New York.

Agents for Northern New Jersey, and Central and Eastern New York State and the Metropolitan District; also the Export Trade.

We want an Agent in every large town and City in our territory. Write for Terms. . . . . .

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Albany, Ind.—The Albany Mfg. Co., incorporated by Alfred B. Gates, Philip Goetz, Joseph K. Tedrow, Albert J. Beveridge and Chas. F. Smith; to establish a large tube mill and manufacture a medium grade bicycle. Cold-drawn seamless steel tubing will be manufactured. Capital stock, $1,000,000.

Amburg, Ark.—L. W. Perdue, Hardware, etc., is preparing to take up bicycles.

Baltimore, Md. — The Speedwell Cycle Co. has been dissolved, and Jos. Wiesenfield and Sol Simpson have formed a partnership, under the name of the Little Joe Wiesenfield Co., for the purpose of conducting the bicycle business. Moses Meyer has an interest in the company.

Baltimore, Md.—The Chesapeake Cycle Co., incorporated by James S. Shipley, Chas. H. Porter, Albert G. Ripple, Geo. H. Will and Samuel T. Richards. Capital stock, $5000.

Baltimore, Md.—The Maryland Mfg. & Construction Co., incorporated, with S. Davies Warfield, president, and will equip a plant for the manufacture of 3000 bicycles the first year. C. F. Pease, formerly of Chicago, will be in charge.

Bedford, Pa.—S. S. Metzger, carpets, furniture, etc., is preparing to take up bicycles.

Bellows Falls, Vt.—L. G. and C. E. Howard, Hardware, have taken up bicycles, having secured the agency of Chief bicycle for Vermont and New Hampshire.

Boswell, Ind. — The Boswell Hardware Co. are preparing to take up bicycles.

Buffalo, N. Y.—Buffalo Bicycle Skate Co. has filed certificate of incorporation.

Byerville, Ohio.—P. E. Hoopman, Hardware, is preparing to take up bicycles. Wants agency for good wheel.

Canton, Ohio.—Lathrop & Willis is the name of a new firm, composed of T. Lathrop and H. Willis, who will open a new bicycle store.

Chicago, Ill.—The Tonk Mfg. Co., at No. 304 Hawthorne Avenue, will manufacture for the '96 trade a wooden rim bicycle.

Chicago, Ill.—The Rex Cycle Co., incorporated by Merritt W. Pinckney, West Dallas and Julius A. Johnson, to manufacture bicycles. Capital stock, $10,000.

Chicago, Ill.—The Western Union Bicycle Mfg. Co., incorporated by Lewis D. Cartright, Geo. R. Bennett and Charles R. Rode; to manufacture bicycles. Capital stock, $150,000.

Chicopee, Mass.—The Spaulding & Pepper Co., incorporated by Thomas S. Spaulding and Wm. C. Breed, of New York City, and Wm. S. Haskell, of Brooklyn, to manufacture rubber tires and parts of bicycles, and wheels, in Chicopee Falls, Mass., and Brooklyn, N. Y. Capital stock, $50,000.

Cleveland, Ohio.—American Ball Bearing Co. is reported incorporated, with a capital stock of $25,000.

Danville, Ill.—L. A. Chester, bicycles, contemplates opening new store in the spring. Invites correspondence with manufacturers of wheels and sundries.

Ellettsville, Ind.—W. T. Harris, Hardware, etc., is preparing to take up bicycles, and solicits propositions from the manufacturers of wheels and sundries.

English, Ind.—Temple Bros., Hardware, furniture, etc., will add a bicycle department, and invite propositions from manufacturers of wheels and sundries.

Florence, Wis.—G. A. Albrecht is preparing to open a new Hardware store, and will add bicycles. Propositions from manufacturers are invited by him.

Flushing, Mich.—The Flushing Cycle Co., incorporated, with a capital stock of $5000, to manufacture and sell bicycles, and to operate a general bicycle repair shop.

Fredericksburg, Ind. — Hunter Bros., Hardware, etc., are preparing to take up bicycles. Invite correspondence with manufacturers of wheels and sundries.

Galveston, Tex.— Galveston Cycle Co., incorporated by W. R. Follis and others, to deal in bicycles, sporting goods, etc. Capital stock, $25,000.

Gayly, Pa.—A. B. McBrier, Hardware, etc., will take up bicycles, and invites propositions from manufacturers of wheels and sundries.

Gloucester, Ohio.—The Gloucester Hardware Co. aro preparing to add a bicycle department.

Harlan, Ind.—E. V. James, Hardware, etc., is preparing to take up bicycles, and invites correspondence from manufacturers of wheels and sundries.

Huntington, Pa.—The Lane Foundry & Machine Works, manufacturers of steam engines, incorporated as H. H. Lane Mfg. Co., and will go extensively into the manufacturing of bicycles. A large two-story factory building is being erected for this purpose, and the name of their wheel will be the Juniata, of strictly high grade.

Hymera, Ind.—V. D. Cummin, Hardware, is preparing to take up bicycles, and invites propositions from manufacturers of wheels and sundries.

Jeffersonville, Ohio.— Wilson & Gray, buggies and machinery, are preparing to take up bicycles.

Longmont, Col.—J. A. Buckley, Hardware, etc., is preparing to take up bicycles, and solicits propositions from manufacturers of bicycles and sundries.

Mansfield, Ohio.—J. W. Wagner & Son, Hardware, will be incorporated into a stock company after January 1st, with a capital stock of $100,000. A full line of bicycles will be added, together with bicycle sundries.

Mineral Point, Ohio. — John L. Rice, Hardware, is preparing to take up bicycles.

Mount Gilead, Ohio. — Talmage Bros., Hardware, etc., are preparing to take up bicycles, and are inviting propositions from manufacturers of wheels and sundries,

New Brighton, S. I., N. Y.—The Staten Island Bicycle Mfg. Co., incorporated by W. H. Barrett, Chase Real, of East Orange, N. J., and Walter Ross, E. N. Jewett and M. J. Cameron, of New York City. Capital stock, $100,000.

New Britain, Conn.—P. & F. Corbin have established a cycle sundry department, in charge of E. Rockwell, formerly manager of the New Departure Bell Co.

New Carlisle, Ind.—The Brummill Hardware Co. are preparing to add a bicycle department.

New Castle, Col.—E. E. Krach is preparing to go into bicycles, and invites propositions from manufacturers.

New York, N. Y.—Cheever, Coit & Co., incorporated by Victor E. Burke, Geo. W. Uhl and Lemuel Evans, to manufacture bicycles. Capital stock, $60,000.

New York, N. Y.—George H. Pierce & Sons, manufacturers of bicycles. Broadway and Fortieth Street, are having new store erected. M. B. Atkinson is manager.

Niagara Falls, N. Y.—The Electric Cycle Co., incorporated by Frank N. Sherwood. Edward J. Miller and others, to sell bicycles and conduct a bicycle riding school and livery company. Capital stock, $2500.

Syracuse, N. Y.—The Syracuse Specialty Mfg. Co, will manufactnre bicycles, turning out the Frontenac, a high grade wheel.

Toledo, Ohio.—Paal & Saelzler, bicycles, have commenced business corner Adams and Eleventh Steeets, handling the Snell and Crown wheels.

Washington, D. C.—Chaves & Wyman, bicycles, have opened new store at No. 512 G Street.

Washington, D. C. — W. R. Tappan, sporting goods, etc., will manufacture bicycles. A factory building in Alexandria, Va., has been leased for this purpose, and Mr. Tappan is now in the market for the necessary bicycle making machinery.

Wellington, Kan.—Smith & Fleming, bicycles, new firm commenced business.

Changes and Removals.

Baltimore, Md.—Joe Wiesenfield, bicycles, corner Baltimore and Paca Streets, will move to larger quarters, corner Baltimore and Howard Streets.

Chicopee Falls, Mass.— Spalding Bros., bicycle factory, will be removed to Newark, N. J., contrary to the recently published statement that they would move the plant to Bridgeport, Conn.

Omaha, Neb.—The Nebraska Cycle Co. have moved into larger quarters, corner South Fifteenth and Harney Streets.

Santa Clara, Cal.—E. L. Ford, cyclery, reported to have sold out.

Taunton, Mass.— Robertson & Strange, bicycles, reported to have dissolved partnership. The business will be continued by Mr. Robertson.

Worcester, Mass.—The Ramsdell & Rawson Co., bicycle manufacturers, capital stock increased to $13,000, and name of firm changed to the Rawson Mfg. Co.

Zanesville, Ohio.—Ashley & Stotts, bicycles, have been succeeded by E. H. Ashley.

Recent Fires.

Vacaville, Cal.—D. G. Holt, bicyclery, partial lass by fire; $150 insurance.

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"UPON the integrity of each individual part depends the value of the whole. The most powerful chain measures its strength with its weakest link."

We Recognize This Fact

as is shown by the construction of the



Iver Johnson AND Fitchburg Cycles,

in which you will find the most scientific Fork Crown ever devised; the first really good Crank Shaft Adjustment ever made—simple, positive and certain—a forged steel Crank Hanger and forged steel Crank and Axle in one piece, and many other improvements.

WRITE FOR A CATALOGUE

C. J. GODFREY,
11 Warren St, New York.
General Agent for New York, New Jersey and Pennsylvania.

Iver Johnson's Arms and Cycle Works,
FITCHBURG, MASS.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.
Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and
Nickel-Plating.



When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES
ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD BICYCLES

100.00
60.00
50.00
40.00

List Prices for 1896.

THE CRAWFORD MFG. CO.

BRANCH HOUSES:
New York, 70 and 72 Reade St.
St. Louis, 608 North 4th St.

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New England Agents, Bigelow & Dowse Co., Boston, Mass.

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Lovell Diamond Bicycles.

STRICTLY HIGH GRADE.

$100.

Lovell Excel Bicycles,

MEDIUM PRICE.

$40 to $75.

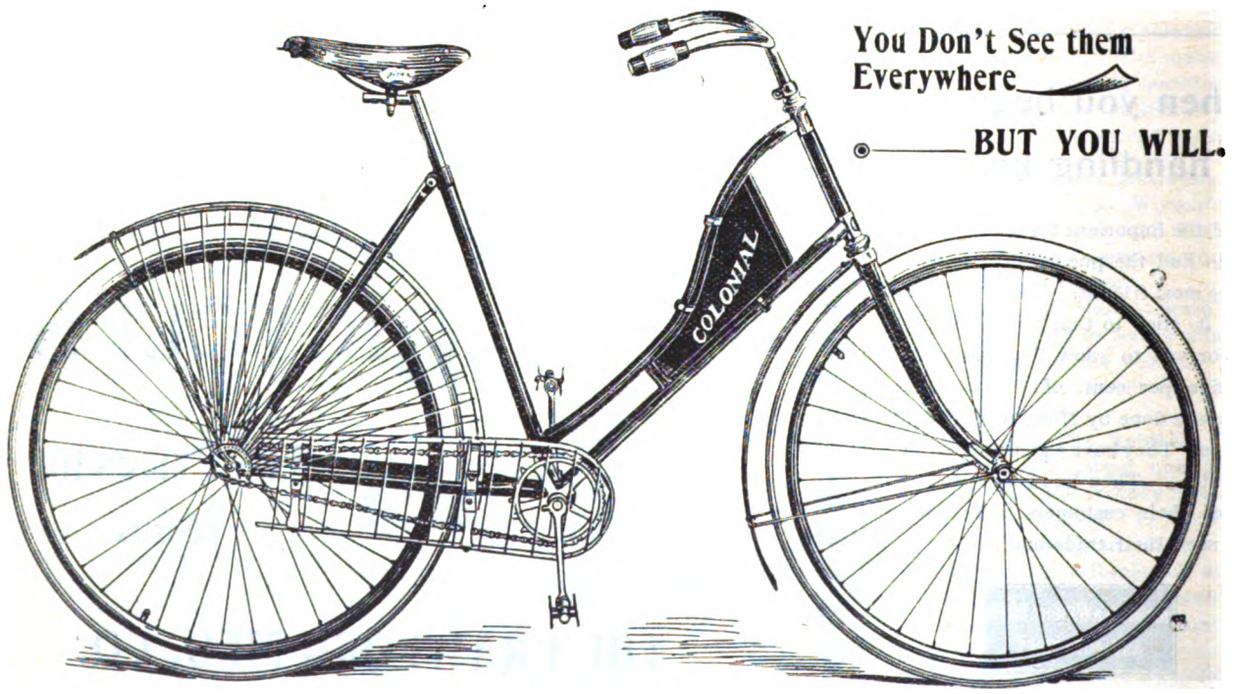
APPLY NOW FOR '96 AGENCY.

John P. Lovell Arms Co.,

BOSTON. MASS.

The Colonial

Recognized as the SOCIETY WHEEL



You Don't See them Everywhere

BUT YOU WILL.

JOHN McCLAVE & SONS, MAKERS,

602-604-606 W. 22d ST., New York City.

Salesroom, 371 Fifth Avenue, Southeast corner of 35th Street.

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Hardware Merchants

can sell our machines with pleasure and profit. We have had years of experience in the business, and expect to continue in it for years to come. To do so we must give full value in every sale, and this we do when we sell

WYNNEWOOD BICYCLES

Model	R	$100.
"	M	$75.
"	L	$75.
"	Z	$65.
"	B	$60.
"	C	$60.
"	X	$60.
"	Y	$55.
"	D	$50.
"	F	$40.

Good Agents Wanted.
Catalogue now ready.

A. M. SCHEFFEY & CO.,
92 Reade St., New York.

MEDIUM GRADE AND HIGHEST GRADE.



1896

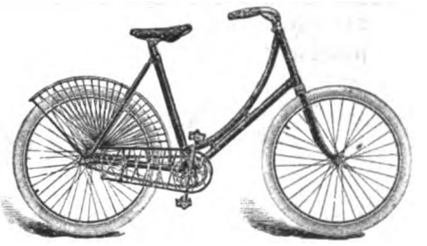
Rochester Bicycles

Are a revelation to lovers of the Silent Steed. . . . . .

Rochester Cycle Mfg. Co.,
ROCHESTER, N. Y.

PRICES

$75 AND $100



FENTON WHEELS FOR 1896



Are Models of . . . .

Perfect Proportion
Beauty and Strength
1¼ Main and 1½ Head Tubes
Tubular Hubs
Ball Retaining Cases
Mahogany Rims

Send for Catalogue

P. S.—Fenton Wheels have Blue Crowns.

FENTON METALLIC MFG. CO., Jamestown, N. Y.

A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

Our Tires Are All Right.

WE MAKE

Single Tube, Double Tube and Detachable Tires.

SPAULDING & PEPPER CO.,
Chicopee Falls, Mass.

A GOOD WHEEL

Is what people want, and we make it.



STRICTLY HIGH GRADE.

Our theory is not how cheap, but **HOW GOOD.** Every wheel guaranteed. Prompt deliveries insured during entire season.

Write for Catalogue,

Schlueter Cycle Mfg. Co.
Cincinnati, Ohio.

To Stick Things Use

MAJOR'S CEMENT

Cheap, Quick and Certain.
Repairing China, Glassware, Bric-a-Brac, 15 & 25c.
Major's Rubber Cement, 2 oz. bot. and in tubes, 15c.
Major's Leather Cement, 15c. Major's Best Liquid Glue, 10c. Ask Dealers or mail price.
A. MAJOR CEMENT CO., 461 Pearl St., N. Y. C.

CYCLE CHAINS

If you Want the **BEST** Place Your Order With the

Indianapolis Chain & Stamping Co.,
INDIANAPOLIS, IND.

Roger B. McMullen & Co., General U. S. Sales Agents, 130 Lake St., Chicago, and 300 Broadway, New York City. John S. Leng's Sons' Co., 4 Fletcher St., New York City, N. Y. Depot. Elastic Tip Co., 370 Atlantic Ave., Boston, New England Depot. Western Rubber Co., 14 Fremont St., San Francisco, Pacific Coast Depot.

IMPROVED

Tack, Shoe and Wire Nail MACHINERY,

KIMBAL BROS. & CO., Mfrs.,
Send for Prices. BROCKTON, MASS.

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JOSEPH T. MOORE, Vice-President.
EDWARD E. POOR, President.
GEORGE S. HICKOK, Cashier.
EDWARD J. BALDWIN, Ass't Cashier.

The National Park Bank, of New York.

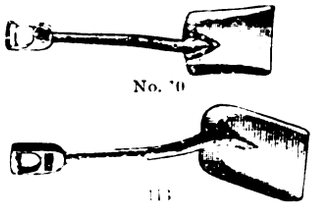
Capital, $2,000,000. - - - - Surplus, $3,000,000.

Extensive Safety Vaults for the convenience of Depositors and Investors.
Entrance only through the Bank.

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FRANCIS R. APPLETON,	JOHN JACOB ASTOR,	GEORGE S. HICKOK,	GEORGE FRED'K VIETOR,	HERMANN OELRICH,

Established 1873.



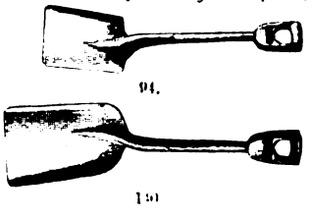
THE WYOMING SHOVEL WORKS,

MANUFACTURERS OF

Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.
Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.
Office, WYOMING, PA. Works.
Catalogues furnished on application

Incorporated June 24, 1895.



Once Tried Always Ridden.

The Quincy

THE only wheel on the market that is guaranteed for **more** than one year. It has Tool Steel Bearings, Adjustable Bars, Swell Forks, Double Bridge Crown. Large Tubing, Horizontal Lines and Handsome Finish. . . . . .

The Quincy Perfection Tandem

Breaks All Records.

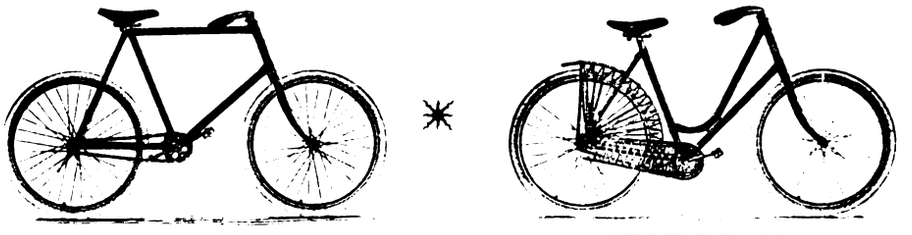
Send for Hardware discounts.

The Quincy Cycle Co.
QUINCY, MASS.

Ben-Hur BICYCLES

Are Built to Stand "HARD WEAR."

The pun is unintentional, but the wheel is the result of six years' study and improvement.



BEN-HUR, No 19 **BEN-HUR, No. 20.**

THEY have always been as good as the best and they now are **"Better than Ever."**
Our name plate is a guarantee of excellence.
Artistic catalogue, containing cuts and description of our four models and two tandems ready for distribution. Send for one.

CENTRAL CYCLE MFG. CO.,

9 Garden St., INDIANAPOLIS, IND.

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MONARCH

THE APEX OF BICYCLE PERFECTION.

IN our 1896 Models we have incorporated all the good things known to the best Bicycle Makers, including several features peculiarly our own. They are the crowning glory of our unparalleled success as builders of high-grade wheels—the concentrated extract of bicycle goodness.



WE also make **DEFIANCE**, the best of lower-priced wheels, especially adapted to the Jobbing Trade. Eight models for adults and children, $75., $60., $50 $40. Fully guaranteed.

Four Models,

$80 and $100

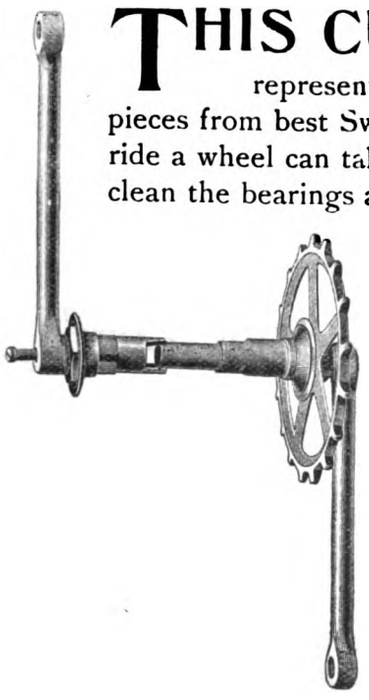
Agents Wanted.

Write for Terms.

Monarch Cycle Mfg. Co.

83 Reade St., New York. **Lake, Halsted and Fulton Sts., Chicago, Ill.**

THIS CUT



represents our **Telescopic Detachable Crank Shaft,** forged in two pieces from best Sweedish Steel. How do you like it? Any child old enough to ride a wheel can take it apart or put it together. In four minutes you can take it out, clean the bearings and put it together again without disturbing the adjustment of the bearings in the least. The balls cannot fall out, there are no Cotter pins to annoy and vex you, in fact you have no trouble of any kind with this crank Nothing can be more simple—nothing more durable. Expert wheelmen pronounce it out of sight of any Crank now in use. Please remember you will find this Crank Shaft on every

WHEELER

Price $85.00

PATENT PENDING.

The Peer of Any Wheel on Earth.

Do not buy your '96 Mount until you have examined the Wheeler. We want Good Live Agents. It will be worth your time to write us for Catalogue and Discounts

The DEFIANCE BICYCLE CO.,

Defiance, Ohio.

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Our

OF WHEELS

WERE selected with the idea of securing those most desirable for the **Hardware Trade** to handle. We seek our best agents among the Hardware Dealers, and that we have selected well is proven by the number of good and desirable agencies already placed. . . . . .

Style, Speed and Staunchness

Are a few of the good points embodied in our leader, the

SYRACUSE

A Bicycle that Leads the World for an Easy Seller.

KEEP YOUR EYE ON THE CRIMSON RIMS.

We Have Others Selling at

$100.00--$90.00--$85.00--$75.00--$65.00--$50.00--$40.00

Lots of Towns in the Country

SOME STILL OPEN.

Apply for Agency Now

Supplee Hardware Co.,

PHILADELPHIA, PA.

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Syracuse Bicycles

SPIN TO WIN.

Keep Your Eye on the Crimson Rims.

It always pays to buy the best and doubly so when the best costs no more than one not so good.

$100

THE CRIMSON RIM SYRACUSE WHEEL

is the highest type of standard high grade bicycles. Besides being one of the handsomest and prettiest wheels, it is the lightest and strongest.

There is but one Crimson Rim—
It is the SYRACUSE.

It will pay Hardwaremen to correspond with us.

Chas. J. Stebbins,

103 Reade Street, New York City.

Agent for Southern New York and Northern New Jersey.

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The Bicycle

Makes a Good Line, and

The Liberty

Makes a Good **BICYCLE**

HARDWARE DEALERS cannot afford to handle a wheel without a reputation; . . . . . *The Liberty* is

America's Representative Bicycle,

and its reputation extends from zone to zone.

Agencies placed in Unoccupied Territory.

The LIBERTY CYCLE CO.,
4 WARREN ST., NEW YORK.

WE INVITE CORRESPONDENCE

with the Hardware Trade, regarding agencies for the

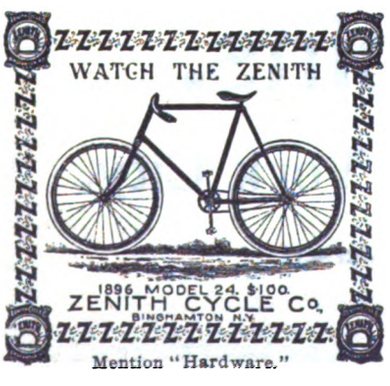
SHERMAN

A strictly **HIGH CLASS,** perfectly finished Wheel,

. . . . **Listed at $75.00.**

The Sherman Cycle Co.,

133-139 So. Clinton St., Chicago.



Mention "Hardware."

The "ZENITH"

has the following points of excellence: tool-steel bearings, absolutely dust proof, barrel hubs, easily detached cranks, large tubing, reversible handlebar, narrow tread. . . . . .

Write for advance Sheet.
Agents wanted.

Zenith Cycle Co. Manufacturers,
Binghamton, N. Y.

Space No. 30, New York Cycle Show.



THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

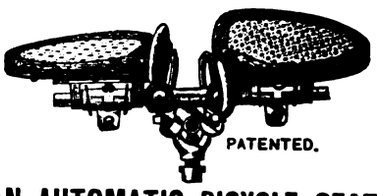
BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

THE WHEEL THAT DON'T BREAK.

Price, $75.00.





AN AUTOMATIC BICYCLE SEAT

that tilts in perfect harmony with the motion of the leg. It is in two sections, each independent of the other. It is the only seat that doctors say overcomes the defects and dangers of riding, such as chafing, numbness, and entirely relieves the sensitive parts.

Ask your Hardware dealer to show it, or send for particulars to the

Automatic Cycle Seat Co.,
Grand Rapids, Mich.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

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30 YEARS' EXPERIENCE

Working high grade metals into firearms has taught us a thing or two. Five years manufacturing Bicycles tells us the rest, and we know that there is no Higher Grade Bicycle made than the

MAJESTIC

WOMEN'S
Loop Frame, 22 inches.

$85.00

MEN'S
22, 24 and 26 inch Frame.

. . . AGENCIES CLOSING NOW. . . .

Talking Point No. 1--Four Different Sizes of Frames.

Send for Catalogue explaining the other points.

We refer to the following, as to whether we buy their best: Rims, Dann Bros.; Tubing, Birmingham Weldless Steel Tube Co.; Balls, Simmons; Steel, Spalding & Jennings; Saddle, Mesinger; Spokes and Nipples, Excelsior Wire Needle Co.; Tires, M. & W. and Hartford; Chains, Indianapolis Chain & Stamping Co.

Hulbert Bros. & Co. 26 West 23d Street, NEW YORK.

Mfrs. Fire Arms, Majestic Bicycle, Mesinger Saddles, Sundries and Sporting Goods.

Insist on the Best.

1896 Bicycle Riders will Demand

Sager Saddles

See that your line is equipped with them.

These manufacturers of high grade wheels have pronounced SAGER'S BEST, by placing orders in quantities of from 1000 to 20,000. . . . . . .

Adams & Westlake, "Adlake."
American Humber Co., Limited, "American Humber."
Am. Sewing Machine Co., "American."
Ames & Frost Co., "Imperial."
Ames Mfg. Co., "Ames,"
Julius Andrae & Sons Co., "Andrae."
Ariel Cycle Mfg. Co., "Ariel."
Barnes Cycle Co., "Barnes."
Bellis Cycle Co., "Bellis."
Black Mfg. Co., "Tribune."
Buffalo Cycle Co., "Envoy" and "Fleetwing."
Columbus Bicycle Co., "Columbus."
Combination Cycle Co., "Dorset."
Davidson & Sons, "Davidson."
Davis Sewing Machine Co., "Dayton."
Everett Cycle Co., "McCune."
Fenton Metallic Mfg. Co., "Fenton."
Fowler Cycle Mfg. Co., "Fowler."
Gendron Wheel Co., "Gendron."
Gladiator Cycle Works, "Gladiator."
Globe Cycle Works, "Globe."
Hendee & Nelson Mfg. Co., "Silver King" and "Silver Queen."
Henley Bicycle Works, "Henley."
E. Howard Watch Co., "Howard."
Hunter Arms Co., "Hunter."
F. F. Ide Mfg. Co., "Ide."
International Mfg. Co., "America."
Iver Johnson's Arms and Cycle Works, "Iver Johnson."
Juniata Mfg. Co., "Juniata."
Jenkins Cycle Co., "Napoleon."
Liberty Cycle Co., "Liberty."
March Davis Cycle Co., "March."
Marion Cycle Co., "Halladay."
Martin & Gibson Mfg. Co., "Kensington."
John McClave & Sons, "Colonial."
F. X. Muller & Co., "Empire State, 999."
National Cycle Mfg. Co., "National."
New Haven Chair Co., "New Haven."
Geo. N. Pierce & Co., "Pierce."
Plymouth Cycle Mfg. Co., "Smalley."
Queen City Cycle Co., "Erie," "Seneca."
Remington Arms Co., "Remington"
Rochester Cycle Mfg. Co., "Rochester."
Royal Cycle Works, "Royal,"
St. Louis Refrigerator and Wooden Gutter Co., "Lu-Mi-Num."
Seyfang & Prentiss, "Bison."
Sieg & Walpole Mfg. Co., "Windsor."
A. G. Spalding & Bros., "Spalding."
Sterling Cycle Works, "Sterling."
Stover Bicycle Mfg. Co., "Phœnix."
Syracuse Cycle Co., "Syracuse."
Union Mfg. Co., "Viking."
Waltham Mfg. Co., "Orient."
Warwick Cycle Mfg. Co., "Warwick."
Wesson-Nivison Mfg. Co., "Loyal."
White Sewing Machine Co., "White."
W. H. Wilhelm, "Wilhelm."
Winton Bicycle Co., "Winton."
R. H. Wolff & Co., Ltd., "Wolff-American."
Zenith Cycle Co., "Zenith."
Empire Cycle Mfg. Co., "Empire."
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Windle Cycle Co., "Windle."
Stanley Mfg Co., "Stanley."

MAKERS OF THE MAJORITY OF HIGH GRADE SADDLES.

SAGER MFG. CO.,
ROCHESTER, N. Y.

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Your Business is Incomplete



If you have not added to it a line of high grade and reliable bicycles. True as this is, it is fully as true that nothing will so jeopardize your business and reputation as a line of unreliable wheels, whose only virtue may be cheapness. . . .

GOLD CRANK **FALCON** BICYCLES

Are well and favorably known from Maine to Texas. A **FALCON** agency contract is as good as greenbacks. . . .

Write for Catalogue and Discounts

The Yost Mfg. Co.,

Yost Station. TOLEDO, OHIO.

Gives Perfect Satisfaction

To both Buyer and Seller.

The Envoy AND Fleetwing.

We will exhibit at Chicago Cycle Show in space 178 and 179, at the New York Show in space 179, where we will be glad to meet our friends. . . . . .

Manufactured by the

BUFFALO CYCLE CO.,

Buffalo, N. Y.

Get in Line for 1896 Agency.

APPLY AT ONCE.

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NEW FIRM, NEW FEATURES, NEW WHEEL.

"The Cayuga."

Thoroughly High Grade. List, $100.

We Want the Hardware Trade and Propose to Have It.

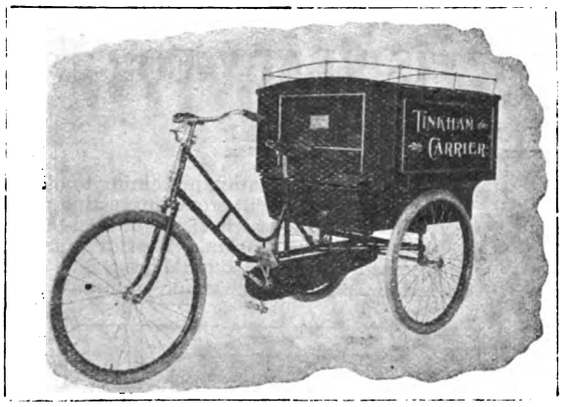
Our advance circular is now ready and will be sent upon application.

Manufacturers, The Iroquois Cycle Mfg. Co.,

393 and 395 Broadway, cor. Iroquois Place,

MICHAEL F. DIRNBERGER, JR.,
Secretary and Gen'l Manager.

Buffalo, N. Y.



The

Tinkham Carrier

Supplants the

Horse and Wagon

Agents will do Well in Addressing us for Terms.

For All Light Deliveries.

The Tinkham Cycle Co.,

Spaces at
NEW YORK CYCLE SHOW,
151, 152, 153, 154.

306-310 WEST 59th STREET,
NEW YORK.

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The Bison

Is 24 carat fine.
Handsome in design.
Superior in construction.
Excels all others in finish, and has stood the test.

Records like this are ours:
200-mile American road record. Time, 11:58:15.

AGENTS SECURE YOUR TERRITORY NOW, BEFORE IT IS TOO LATE.

Seyfang & Prentiss,

Manufacturers,

Retail Salesroom, 561 Main Street,
Office and Factory: 451-455 Washington St., BUFFALO, N. Y.

THE CLEVELAND CYCLE

The Highest of the High Grade

$100.00

Just a Little Better

DESIGN
CONSTRUCTION
FINISH
STRENGTH
DURABILITY
BEARING
CHAIN
PEDAL
TIRES

Than Any Other Cycle.

BEST SELLING
BEST SATISFYING
BEST TRADE BUILDER
IN THE MARKET.

Address for Prices, Terms and Territory

H. A. Lozier & Co.,

BRANCH HOUSES:
337 Broadway, New York City,
830 Arch Street, Philadelphia, Pa.
304 McAllister Street, San Francisco, Cal.

CLEVELAND, OHIO.

THE

Emblem Cycles

1896 Leaders

ARE BUILT TO RIDE.

Barrel Hubs, Wood Rims, Spokes and Nipples, in any quantity. . . . .

High Grade Wheels at a Medium Price.

Apply NOW for Territory.

Send for Catalogue and Prices.

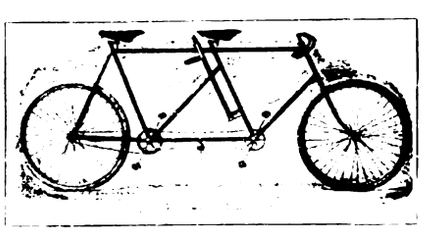
W. G. Schack,

641 } Main St. • Buffalo, N. Y.
875 }

OUR CATALOGUE IS READY FOR 1896.

IT IS COMPLETE

With much information pertaining to bicycling and bicycles, and will prove interesting reading to all. Our line of wheels is one of the most complete on the market. We have three factories in which we build high-grade wheels, medium price machines and children's wheels.



TEMPLE TANDEM.

OUR PRICES at $100.00 to $40.00
Comprise Machines Listed at $40, $50, $60, $75, $85, $100.00, also $150.00 and $175.00 for Tandems and Parcel Carriers. . . .

WE MANUFACTURE our own Saddles, Pedals and Tires, and guarantee to keep our wheels in repair for one year.

Ralph Temple Cycle Co.,

CATALOGUE MAILED FREE (To any one.)

204 35th St., CHICAGO, ILL.

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The Hardware Trade

can profitably handle **BICYCLES**, and make this department an important branch of the business, provided the wheels are strictly high-grade, and have an established reputation. For eighty years . . . . . .

Remington Products

have been known to represent excellence and reliability. The **'96 Models**

Remington Bicycles . .



are perfect in construction and unequalled in improvements. . . . . .

Are you handling the right line of Wheels?

Handsomely Illustrated Catalogue mailed free to any address.

Agencies arranged in unoccupied territory.

REMINGTON ARMS COMPANY,

Factories: Ilion, N. Y. 313-315 Broadway, New York City.

THE

SECOND ANNUAL

Sportsmen's Exposition

Under the auspices of the **SPORTSMEN'S ASSOCIATION** at

Madison Square Garden, - New York,

March 16th to 21st, 1896,

Promises to be the most complete and interesting exhibit of Sportmen's goods and appliances ever held.
Intending exhibitors who have not yet secured space for their exhibits, should apply at once for diagrams, application blanks, and particulars, to

FRANK W. SANGER, Mgr.,
Madison Square Garden, New York City.

Among those to whom spaces have been awarded and reserved thus far are the following:

E. I. Dupont de Nemours & Co.
Overman Wheel Co.
H. H. Kiffe Co.
Obrig Camera Co.
Recreation Publishing Co.
Francis Bannerman.
Outing Publishing Co.
Cleveland Target Co.
Marlin Firearms Co.
Schoverling, Daly & Gales.
Colt Pat. Firearms Mfg. Co.
Forest and Stream.
Empire Target Co.
Hunter Arms Co.
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Von Lengerke & Detmold.
B. Altman & Co.
Iver Johnson's Arms & Cycle Works.
Union Metallic Cartridge Co.
Geo. Paddock.
King Powder Co.
Hermann Boker & Co.
Syracuse Arms Co.
Bridgeport Gun Implement Co.
Laflin & Rand Powder Co.
Parker Bros.
Cushman & Denison.
Electric Boat Co.
Remington Arms Co.
Peters Cartridge Co., Miss Cornelia T. Crosby.
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A. G. Spalding & Bros.
U. S. Net & Twine Co.
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OUR 1896 MODELS READY TO SHIP.

PEER.

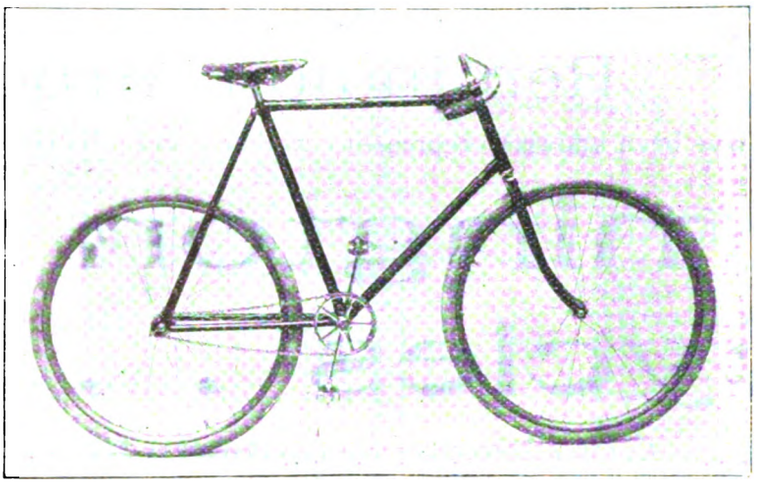
AGENTS WANTED for exclusive territory.

Dust Proof Barrel Hubs.

Tool Steel Bearings.

Forged Steel Sprockets.

Best 1 1-8-inch Tubing.



Speed
Strength
Durability

PRICE,

$85.00

EQUAL to any $100 Wheel on the market. . . . . Order sample and be convinced. . . .

LADIES' WHEEL NEXT ISSUE.

ALL other material the best that can be bought, and only skilled workmen employed. Over twenty-one years' experience in manufacturing High-Grade Vehicles and Wheels is guarantee of Perfection in our production. . . . . .

A. & F. Meyer Co.,

BUFFALO, N. Y.

Experienced AND Progressive Dealers

are looking for a wheel for the **present and future.** Not a bicycle of the **past.** Because a wheel was popular when riders were satisfied with a **forty pound roadster** it does not follow that it is up to the mark **to-day.**

The DAYTON

Is a Modern Wheel,

right in line with the ideas and demands of **up-to-date dealers** and riders, one which attracts attention, favorable comment and **trade** wherever shown.

REMEMBER! 1 1-4 inch tubing not swaged.

The Davis Sewing Machine Co.,

Dayton, Ohio.

338-340 Wabash Ave., CHICAGO. 76 Reade St., NEW YORK. 159 Tremont St., BOSTON.

AGENTS WANTED IN TERRITORY NOT ALREADY CONTRACTED.

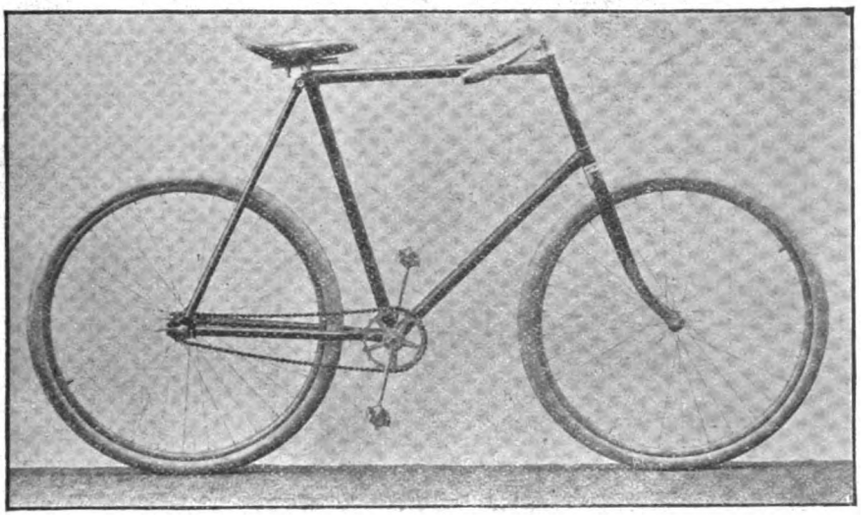
Mention "HARDWARE."

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"We Want More Territory."

has been the announcement of our old agents
upon seeing our 1896 models of

Crescent,
No. 1.



Price,
$75.
(FOR MEN.)

CRESCENT BICYCLES

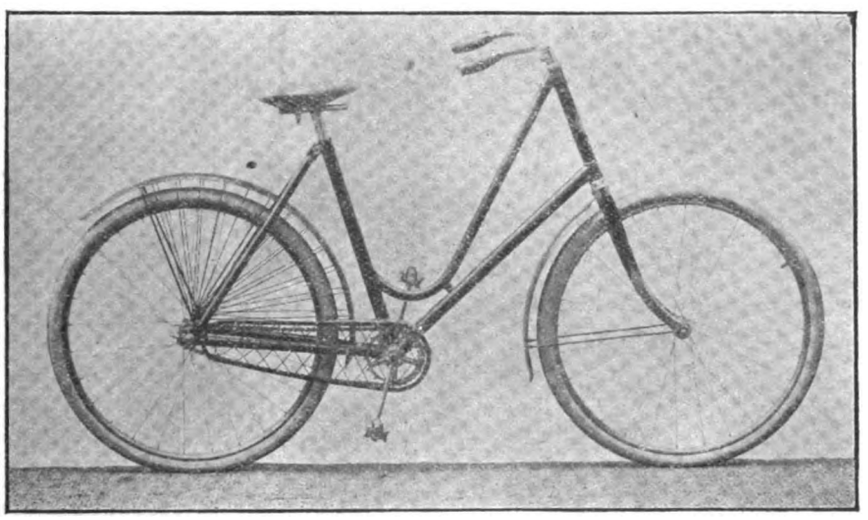
"SKY HIGH."

They had seen a good thing and they knew it.

CRESCENTS at $75.00

mean quick sales and no talking:

Crescent,
No. 4.



Price,
$75.
(FOR WOMEN.)

WE ARE ADDING TO OUR LIST OF AGENTS.

Western Wheel Works,

Factory,
Wells and Schiller Sts., Chicago, Ill.

BUILDERS

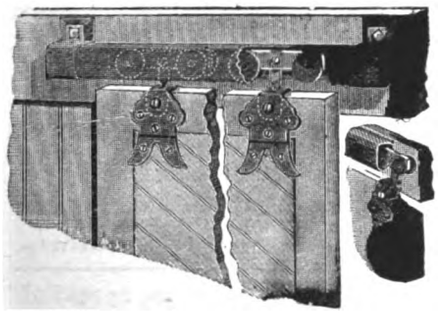
Eastern Branch,
5 Barclay St., New York City.

OUR STANDS AT THE COMING CYCLE SHOW ARE:
New York—Nos. 114 to 120 inclusive.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

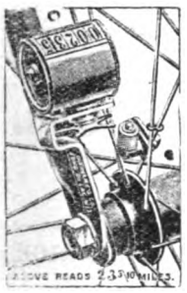
SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





U. S. Cyclometers for Bicycles, Price, $1.50.

U.S. CYCLOMETERS MODEL '96 DETACHABLE ODOMETERS and LAMP BRACKETS

FOR CARRIAGES.

10,000 MILES. WEIGHS 1¼ OUNCES. ONE INCH LONG.

Attaches on Right Side. Repeats or may easily be set. Reads Plainly from Saddle. Made for 1, 22 2, 26, 27¾, 28, 30 to 46 inch Wheels.

Has an entirely new register action, a train of positive gears, simple and very strong, taking place of pawl system used in '95.

Guarantee Every U. S. Cyclometer guaranteed accurate. Should it get out of order accidentally or otherwise, will be repaired or replaced free of charge.

SEND FOR ELECTROTYPES AND PRICES.

Canadian Agents.

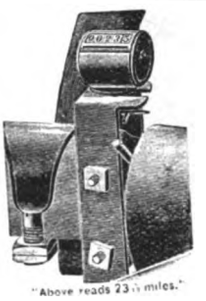
Rice, Lewis & Son, Ltd.

TORONTO, ONT.

U. S. Manufacturing Co.,

FOND DU LAC, WIS., U. S. A.

U.S. Odometer for Carriages. Price $2.25



"Above reads 23½ miles."

Registers 10,000 miles Made for all size wheels. Give diameter of front wheel when ordering



THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.

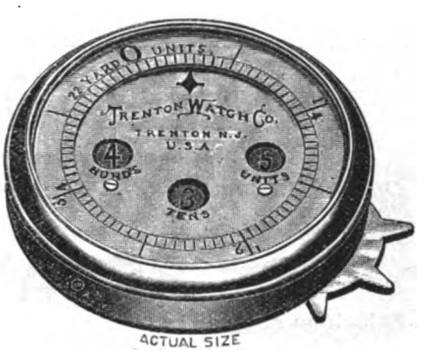
Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.

MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

SOLD BY ALL DEALERS AT A LOW PRICE

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313-315 B'way, New York



ACTUAL SIZE

"TRENTON" CYCLOMETERS ARE THE BEST.

MADE OF ALUMINUM.

Light, Strong, and Accurate. Electrotypes supplied to the trade upon application.

TRENTON WATCH CO., Trenton, N. J.

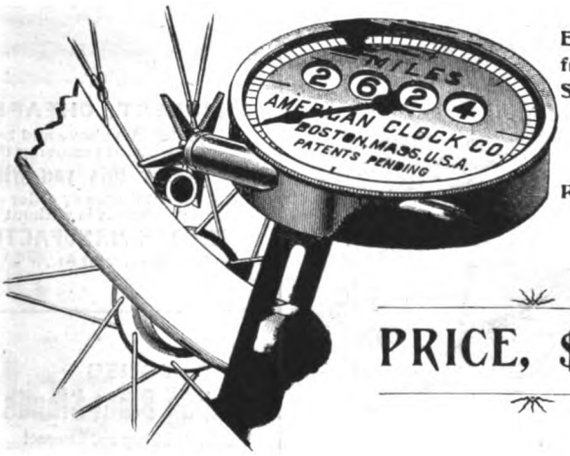
BICYCLE MANUFACTURERS who are putting Cyclometers on their wheels this season will make no mistake if they supply . .

THE AMERICAN.

TEN THOUSAND MILES AND REPEATS.

The Best Seller on the Market.

Insist on receiving our Registered Guarantee with every American.



Easily read from the Saddle.

Requires No Care.

PRICE, $2.00.

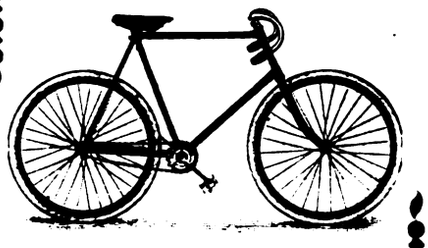
The American Cyclometer, Model B, is not a dinkey toy, too small to be of any use; it does not get out of order if you run it backwards like others that are being put on the market. A cyclometer, though built like a watch, if too small cannot be depended on. The AMERICAN tells you the small fraction of a mile; others do not. **The American leads; let those who can follow.**

Cuts now ready for 1896 Catalogue.

AMERICAN CLOCK CO. 14 and 15 Tremont Row, Boston, Mass.

TRIBUNE BICYCLES.

The Best in The World.



Send for Catalogue.

THE BLACK MFG. CO.,

Erie, Pa.

Hunt

BICYCLE SADDLES

WESTBORO, MASS.

Request

Your Manufacturers or Jobbers to deliver your Bicycles fitted with

Hunt Saddles and Tool Bags

If you desire first class goods.

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O. W. Clapp. Dwight O. Clapp.

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BRANCH OFFICES { 277 Broadway, cor. Chambers St. / 621 Broadway, cor. Houston St. / 753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,

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Private Telegragh Wires. Cable Address: "Ozro." Long Distance Telephone

Municipal and Railway Bonds. Orders for

Stocks, Cotton, Grain, Provisions

Solicited. Allow 3 per cent. interest on deposit accounts.



FOREHAND ARMS CO.'S

LATEST MODEL

Ejector and Non-Ejector

Hammerless Double Gun.

WE CHALLENGE COMPETITION IN BEAUTY, WORKMANSHIP, SIMPLICITY OF MECHANISM, SHOOTING QUALITIES AND PRICE.

For Catalogue address

FOREHAND ARMS CO.,

WORCESTER, MASS.

SICKELS, SWEET & LYON,

Wholesale Hardware and Farming Tools,

Office, 35 Barclay St., Warehouse, 40 Park Place, New York.

NEW YORK AGENTS FOR

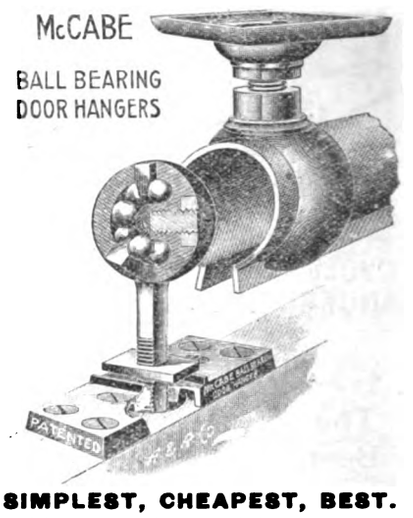
RELAY · BICYCLES.

On Exhibition at

New York Cycle Show,

MADISON SQUARE GARDEN,

January 18-25. SPACES 56 and 57.



SIMPLEST, CHEAPEST, BEST.

Adjustments above and below the track without removing the door.

After trying this you will use no other.

Send for catalogue or order a set at once and see why it is without an equal.

McCABE MANUFACTURING CO.,

532 to 542 West 22d St., - - NEW YORK.

TWO FAVORITES.

The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20 .32-.40, .38-.40, .38-.50 and .40-.65 Remington, and .38-.55 Marlin and Ballard. Made to order only.





THE REMINGTON HAMMERLESS.

Ten Styles.

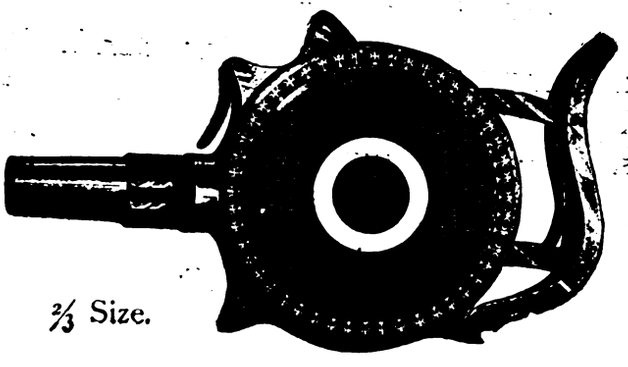
Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

REMINGTON ARMS CO.,

Works ILION, N. Y. New York Office Bicycle Dept., 313 and 315 Broadway.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge. No. 32, extra short, rim fire.

Prices and discounts upon application.

Ames Sword Co.,

Chicopee, Mass., U. S. A.

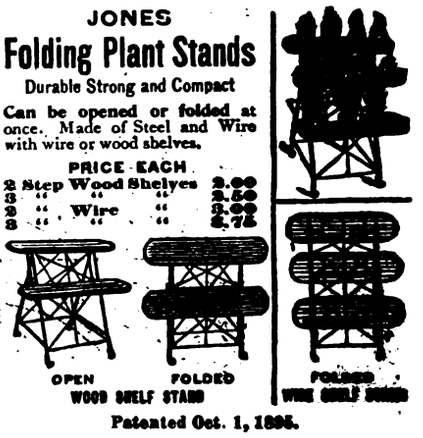
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Folding Plant Stands

Durable Strong and Compact

Can be opened or folded at once. Made of Steel and Wire with wire or wood shelves.

PRICE EACH	
2 Step Wood Shelves	2.00
3 " " "	2.50
2 " Wire "	3.00
3 " " "	4.75



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Send for illustrated list, just out.

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Pflueger's Snowflake Bicycle Chain Lubricant

Has superior lubricating qualities, is highly perfumed and will not soil hands or clothing. Once tried always used.

10c. each or three sticks for 25c.

Mailed on receipt of price.

LIBERAL DISCOUNT TO THE TRADE.

Largest Manufacturers in the U. S. of Fish Baits and Specialties for out-door sport.

(CATALOGUE.)



The Enterprise Mfg. Co., Akron, Ohio.



House... ...Goods Supplies.

ESTABLISHED 1867

Partrick & Carter Co.
Electrical Supplies.
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."

THIS TIME IT IS

Telephones.

Receivers,	-	$ .75 each.
Complete Sets,	-	5.00 each.
Cords,	- - - -	.13 each.
Transmitters,	-	1.25 each.
Induction Coils,	-	.35 each.

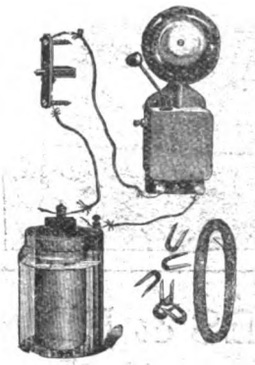
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J. JONES & SON,

Wholesalers and Manufacturers of

Electric Supplies,

62 Cortlandt St. NEW YORK.



Electrical House Goods

For the Hardware trade.

BELL OUTFITS, PUSH BUTTONS, BATTERIES.

THE Hardware trade is rapidly taking up the Electrical business. You should investigate.

WRITE FOR OUR GENERAL CATALOGUE.

WESTERN ELECTRIC CO.,

CHICAGO. NEW YORK.

Our 1896 Catalogue

Will be Interesting. Full of Good Things

ELECTRICAL.

Send us your name.

Stanley & Patterson,

General Electrical Equipment Supplies,

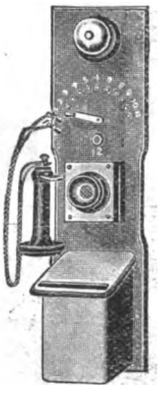
32 and 34 Frankfort St.,

NEW YORK.

TELEPHONES

For Your . . .

Factories,
Stores,
Offices
and
Exchanges.



We make the BEST

Send for Our Catalogue.

The Union Electric Co.,

15 High St., Cleveland, O.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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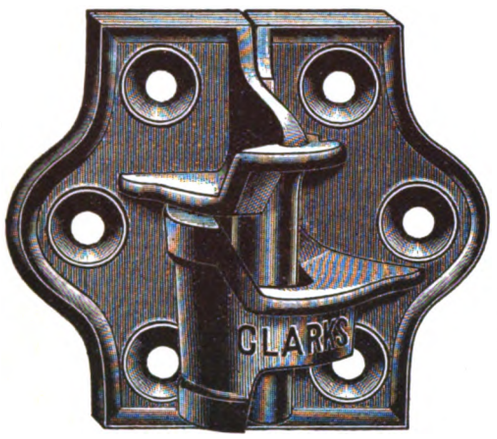
Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.



Full Size in Cat. No. 1 "Regular."

THE CLARK M'F'G CO.,

ORIGINAL AND ONLY

Manufacturers of the Genuine

"Clark's" Blind Hinges

All Imitations are Counterfeits.

Also Manufacturers of

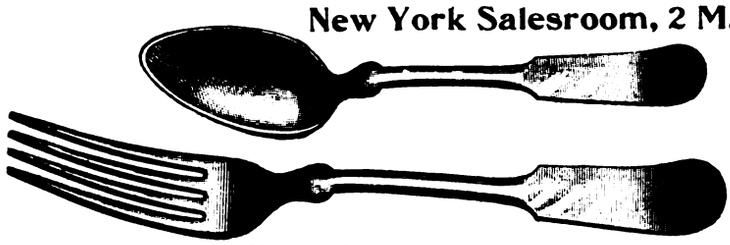
Lull and Porter, O. S.; "Dixie" L. & P., and "Buffalo Reversible" Shutter Hinges; Gate Hinges and Latches, Sash Pulleys, Cast Loose Pin Door Butts, &c.

BUFFALO, N. Y.

HOLMES & EDWARDS

Invite you to visit their

New York Salesroom, 2 Maiden Lane



A convenience to Merchants in the vicinity of New York.

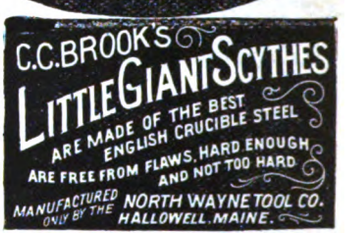
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Mexican Silver. Aztec Coin Metal. Gold Aluminum.

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO





Write your jobber for quotations on these goods. They are a ready seller. If he has not the goods send me his name and we will send him quotations and sample box.



...ALSO.....

COPPER, IRON AND TINNERS'

Rivets

AND

Light Metal Work

TO ORDER

WILLIAM N. MERRIAM 103 BEDFORD STREET BOSTON, MASS.

Live Hardwaremen use

Perfect Shelf Boxes

We Manufacture

Perfect Shelf Boxes

Write for Catalogs and Prices

C. P. MOORE,

Box 5. Ravenswood, W. Va.

MYERS REVERSIBLE STEEL & WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.

BEST HAY TOOLS IN THE MARKET.

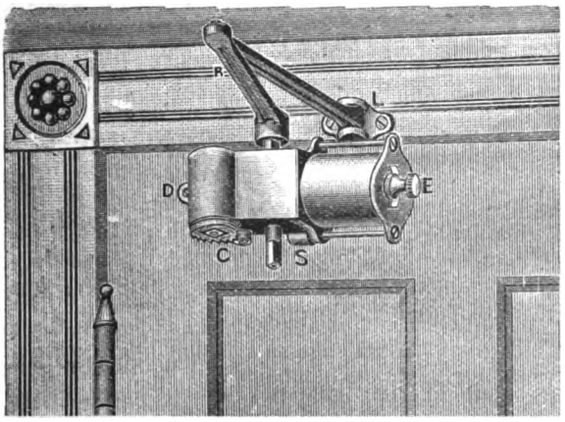


Simple, durable, powerful, easy to operate never affected by frost. Patent GLANS VALVE, will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

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HERE IT IS ON THE DOOR.



PATENTED SEPT. 11, 1894.

The New Royal Door Check & Spring

Excels All Others.

PRICE LIST:

	Each.
No. 1. Light Screen Doors,	$2.40.
No. 2. Small Inside Doors,	3.30.
No. 3. Large Inside Doors,	4.80.
No. 4. Ordinary Store Doors,	5.60.
No. 5. Large Store Doors,	7.00.

For Discount see prices current this paper

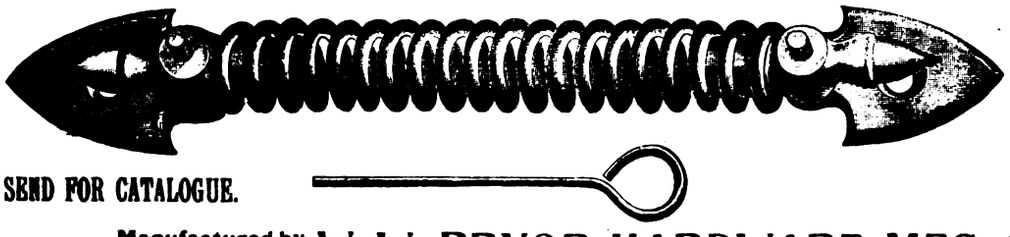
The ROYAL has a Compressed Air Check.

For Sale by All Leading Jobbers.

W. H. QUINN & CO.,
103 Chambers St., New York

Keep the Frosty Winds Out!
Use the Celebrated . . . . .

FOSTER PATENT DOOR SPRINGS.



Strongest and Most Durable on the Market.

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Made in 4 Sizes.

Manufactured by **W. W. PRYOR HARDWARE MFG. CO., Newark, N. J.**

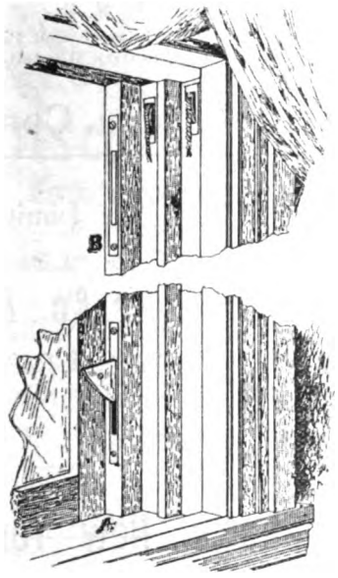
N. Y. Office and Salesroom, 81 CHAMBERS STREET.

JOHNSTON'S

Window and Door Frame Attachment

For Securing Storm Sashes, Storm Shutters and the like.

A Shows the fastener securing a Storm Sash, as seen from inside of room.



B Shows the fastener where not in use. The device is complete, in one part, cannot get broken or lost, is always ready when wanted, as it is permanently set in the edge of window casing. They are made with sockets of iron, with brass tongue, and in solid brass. Sample to any address for 25 cents. AGENTS WANTED.

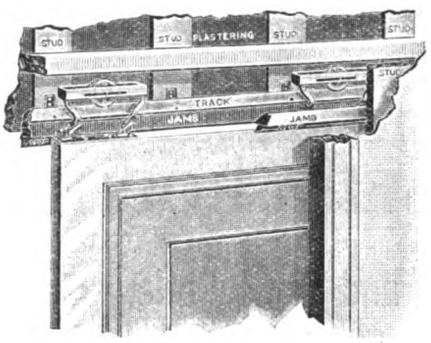
J. D. JOHNSTON, Mfgr., Newport, R. I.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

Stearn's Steel Parlor Door Hanger



IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

"The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw."

E. C. Stearns & Co.,

Send for Circular and Price-List. **Syracuse, N. Y.**

The Bradley Shaft-Coupling



The only real quick shifting, anti-rattling coupling ever put together. Complete in itself and always ready.

No Bolts, No Nuts, No Screws, No Rubbers, No Wrench, No Rattle. Over 20,000 pairs in use. 12,000 pairs sold in 1895.

Send for Circular and Price List.

C. C. BRADLEY, Jr.,
SYRACUSE, N. Y.

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DAVID EASTMAN, President. WALTER RANDALL, Secretary. J. R. BRINSMADE, Treasurer.

The Derby Razor Company,

Manufacturers of
Razors,
Razor Strops,
Safety Razors.

Factories:
DERBY,
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Made of a
...Superior Steel
and
Temper
Fully Warranted.

New York Office,
..64
Reade St.

Made in America by Americans for Americans.

NORTHAMPTON CUTLERY COMPANY,

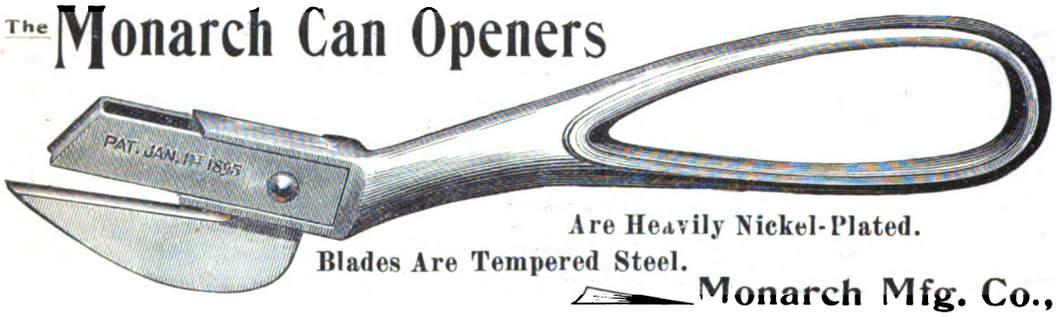


Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom.
96-98 Reade Street.

The Monarch Can Openers



Are Heavily Nickel-Plated.
Blades Are Tempered Steel.

Works Right or
Left Handed

Cuts top off or out of any
Size or Shaped Can.

Send for Sample and Prices
or Quantity Wanted.

Monarch Mfg. Co., Meriden, Conn.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED, } BEST CUTLERY IN THE WORLD
PEUGEOT FRERES, }
COATES CLIPPER MFG. CO., } HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED, CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT, FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES, SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE, GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE, GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL, PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

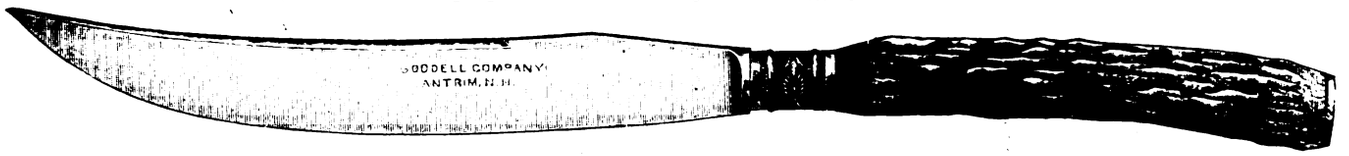
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ONE REASON WHY

Our business has grown out of all proportion to any other manufacturer of

CUTLERY IN THE U. S.

Is that while our goods are unsurpassed in finish and general appearance our special aim has been to adapt them to the purpose for which they are to be used.



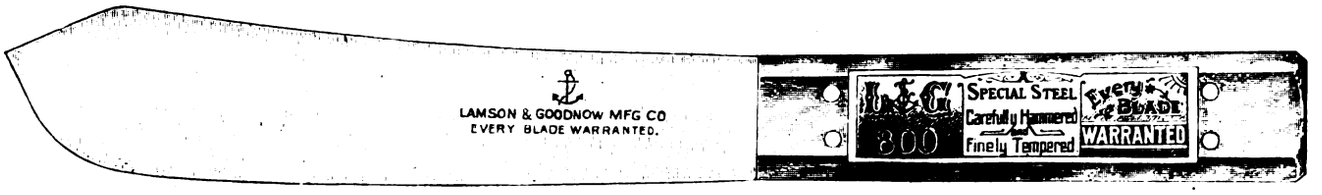
In the matter of Carvers, your customer wants a Knife to cut with as well as to look at. All our Carver blades are made from carefully tested Butcher Knife Steel. They take and hold a fine cutting edge.

We also make Table Knives, Butcher Knives, Shoe Knives in great variety. All fully Warranted.

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HENRY KEIDEL & CO., 25 Hanover Street, Baltimore, Md.

GOODELL COMPANY, - - Antrim, N. H.

LAMSON & GOODNOW MFG. CO.,



Manufacturers of Fine Cutlery, Butcher, Druggists' and Painters' Knives, Celebrated Anchor Brand Carvers, etc.
FACTORY AND OFFICE, Shelburne Falls, Mass. NEW YORK, 310 Broadway. SAN FRANCISCO, 132 Market Street.



COATES CLIPPER MFG. CO.,

Worcester, Mass., U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

SEND FOR CATALOGUE.

"DUPLEX" WROUGHT BUTTS.

Double Thicknesses of Cold Rolled Steel and Wrought Bronze
STEEL PINS, BALL TIPS, STEEL BUSHED.

They are better than the ordinary kinds.

Manufactured only by

READING HARDWARE CO., READING, PA.

NEW YORK, 96 & 98 Reade St. PHILADELPHIA, 617 Market St. CHICAGO, 73 Wabash Ave.



GENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD."
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS



BUCK'S HEAD.

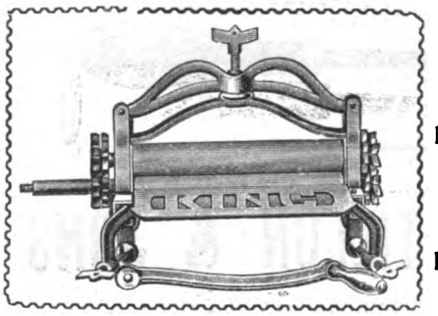
TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

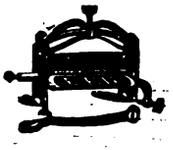
"HARDWARE."

WOOD AND IRON FRAME WRINGERS.

HIGH GRADE, WARRANTED.







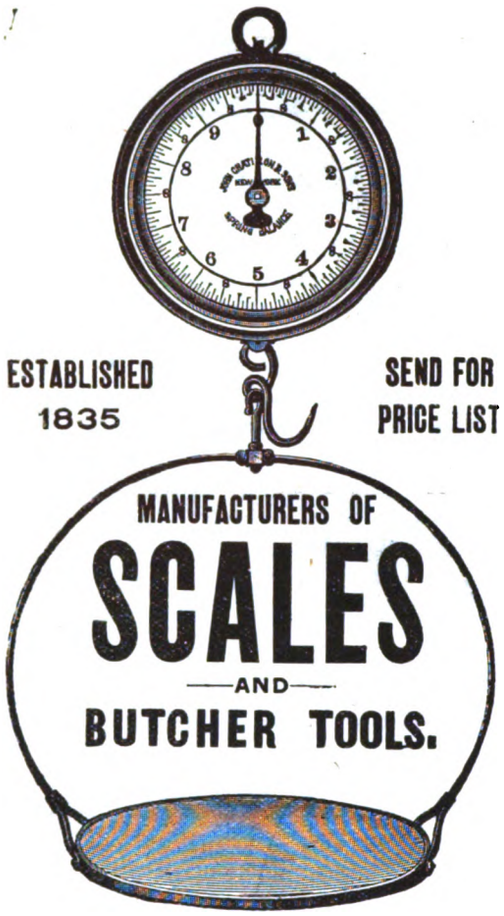
Before placing FALL ORDERS write us for our PRICES and TERMS.

NATIONAL WRINGER & MFG. CO., Canton, Ohio.

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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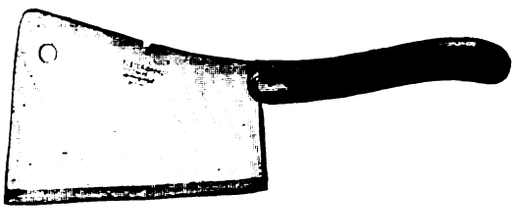
MANUFACTURERS OF

SCALES

—AND—

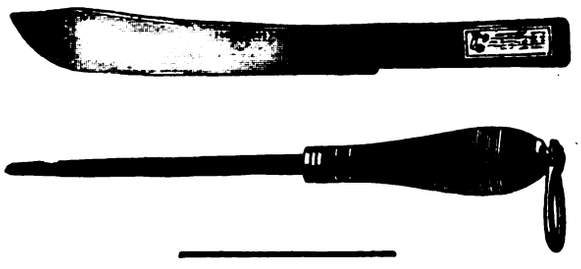
BUTCHER TOOLS.

SOLE AGENTS FOR



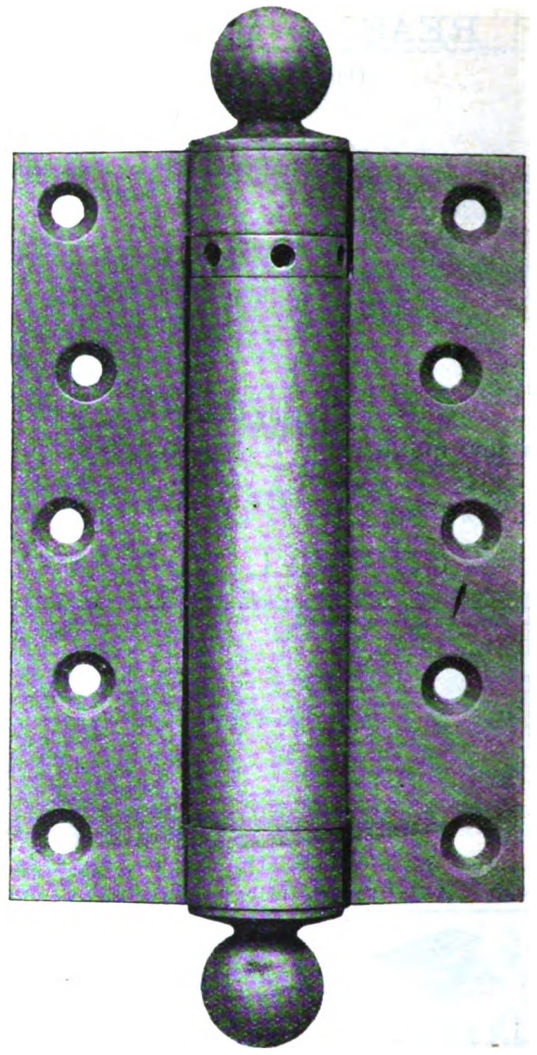
Foster Bros.'

BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.



NORWALK LOCK CO.,

Manufacturers of

Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

Underhill, Cinch & Co., New York, 94 Chambers St
New York, 82 Chambers St. Boston, 300 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)

M. S. BENEDICT MFG. Co.

SYRACUSE, N. Y. Fayette and Franklin Sts.

CHICAGO, ILL. 78 State Street.

409 BROADWAY, NEW YORK.



WORKS, EAST SYRACUSE, N. Y.

Makers of a Full and Complete Line of

Quadruple Silver Plated Hollow Ware.

Silver Plated Spoons, Knives, Forks and Child's Sets.

ALSO

Steel and White Metal Spoons

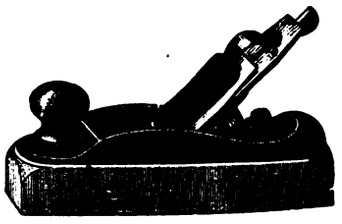
For the Hardware Trade.

Complete stocks carried and goods shipped from any of the above addresses.

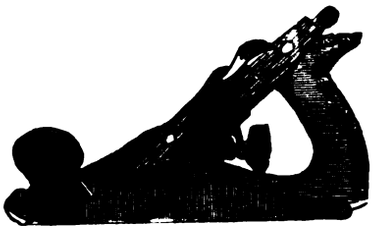
Write for our 96-page Illustrated Catalogue, with discount.

The Enterprise Stove Works, Vincennes, Ind., are sending out an attractive illustrated circular showing the completed article and the detailed parts of their "New Star Ideal" giant burner. It gives a very thorough idea of the construction and character of this article.

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THE
BEST BAILEY PLANES
ARE MANUFACTURED BY
The Samuel I. Goodall Company,
PHILADELPHIA, PA., U. S. A.

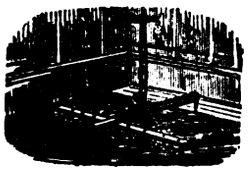


Camp's SUCCESS ANIMAL POKE



The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER and TACK HAMMER.



Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

A Mistaken Notion.

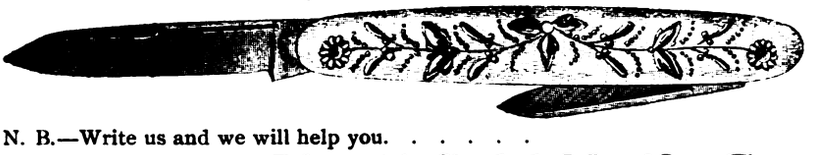
It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

NOW is a good time to carry out that New Year's Resolution

To avoid buying "cheap" Cutlery, and order a line of

TRADE
NORTHFIELD UN-X-LD POCKET KNIVES.
MARK.

Always reliable, pleasing the customer, and therefore most profitable to the dealer. . . . .



N. B.—Write us and we will help you. . . . . .

Northfield Knife Co.
NORTHFIELD, CONN.

ESTABLISHED, 1835. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



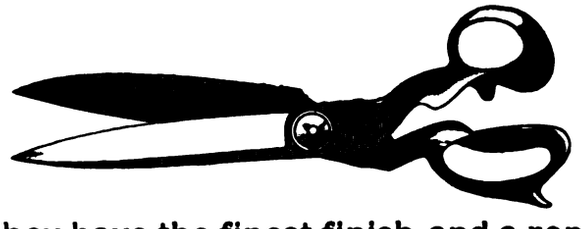
Tailors' Shears, Trimmers, Scissors,
Tinners' Snips, &c.

CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs. Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the
BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1893, and discount.

J. WISS & SONS, NEWARK, N. J.

NOW IS THE TIME

To place orders for

G. W. BRADLEY'S

Turpentine Tools, Bush Hooks,

Drawing Knives, &c., &c., &c.

Orders received will be shipped at times specified.

Underhill, Clinch & Co.,

SOLE AGENTS
94 Chambers St. - - - NEW YORK.

The Staff of Business.

☞ BREAD IS THE STAFF OF HUMAN LIFE AND ADVERTISING IS THE STAFF OF BUSINESS.

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At Last We've Got "'Em," SHARPENERS THAT SHARPEN!

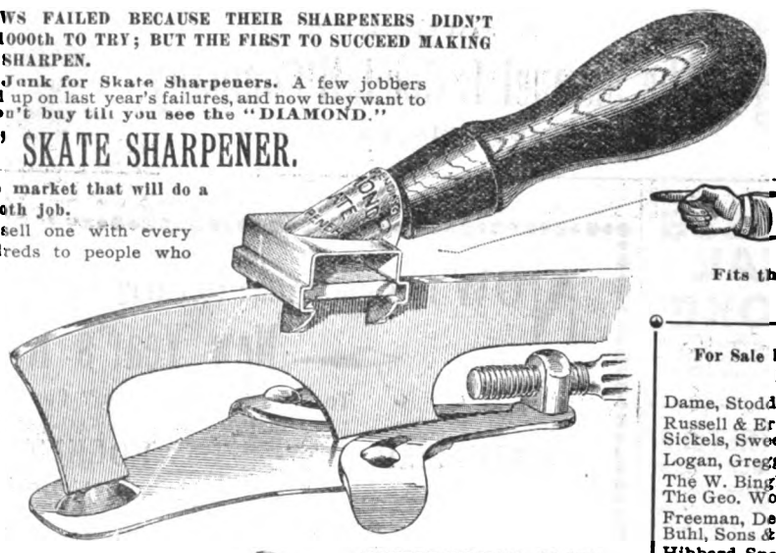
THE OTHER 999 FELLOWS FAILED BECAUSE THEIR SHARPENERS DIDN'T SHARPEN. WE ARE THE 1000th TO TRY; BUT THE FIRST TO SUCCEED MAKING SHARPENERS THAT WILL SHARPEN.

Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "DIAMOND."**

THE "DIAMOND" SKATE SHARPENER.

The only Sharpener on the market that will do a clean, smooth job.

HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.



All our Sharpeners are elegantly nickel-plated and packed one dozen in a box.

SAMPLE BY MAIL, 25 CTS.

SOMETHING ENTIRELY NEW!

Every Boy Sharpens his own Skates.

See that Pivot!

Fits the Curve of any Skate.

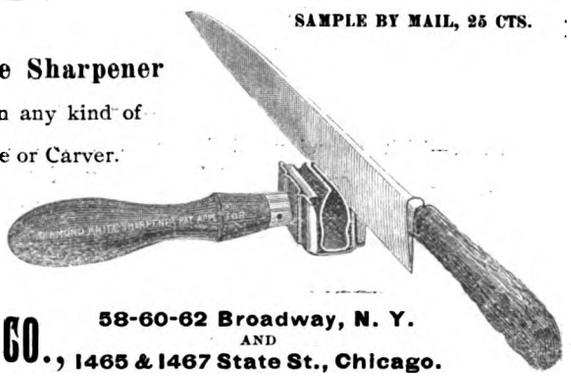
For Sale by the Following Wholesale Hardware Houses:

Dame, Stoddard & Kendall, Boston.
Russell & Erwin Mfg. Co., Sickels, Sweet & Lyon, } N. Y. City.
Logan, Gregg & Co., Pittsburg.
The W. Bingham Co. The Geo. Worthington Co., } Cleveland.
Freeman, Delamater & Co., Buhl, Sons & Co., } Detroit.
Hibbard, Spencer, Bartlett & Co. Wells & Nellegar Co., } Chicago
Simmons Hdw. Co., St. Louis.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.
Rector & Wilhelmy Co., Omaha.
Farwell, Ozmun, Kirk & Co., St. Paul.
John Pritzlaff Hdw. Co., Milwaukee.

The "Diamond" Knife Sharpener

Puts a **keen, lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.

SAMPLE BY MAIL, 25 CENTS.



Write for Descriptive Circular with Prices and How to Advertise Your Business Free.

DIAMOND CUTLERY CO., 58-60-62 Broadway, N. Y. AND 1465 & 1467 State St., Chicago.

SKATE GRINDING MACHINERY WILL GRIND HARD SKATES OR SOFT.

IMPROVED FOOT POWER GRINDERS.

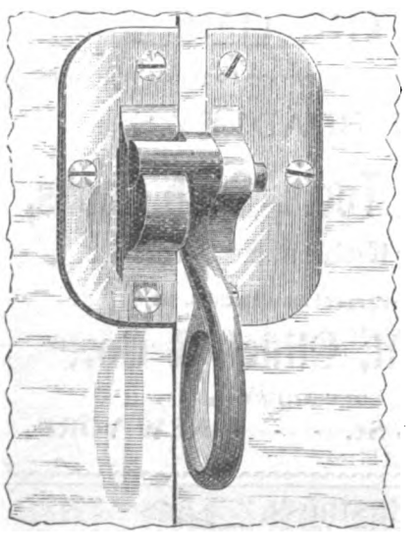
Prices Reduced.

Charles Perkins, Bridgewater, Mass

The CONROY PATENT

Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

ART IN REFRIGERATORS

NEW EMPIRE LINE



SEVEN WALLS TO SAVE THE ICE

THE GLACIER

SELLS BEST, PAYS BEST, WEARS BEST.

Send for Catalogue and Booklet

NORTHERN REFRIGERATOR CO.

GRAND RAPIDS, MICH.

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Our Latest is the Ormonde



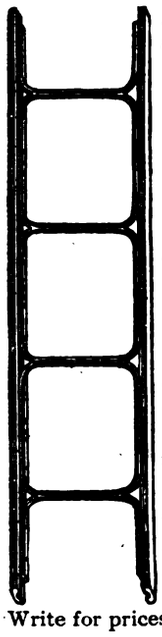
And bears the TRADE ROGERS MARK TRADE MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

If you want to live



A long life free from accidents . . . .

You will buy the

Patent Bent Rung Ladder

They are the

Strongest and Lightest Ladder on Earth.

A six-foot single step ladder will carry 700 pounds, and a double step ladder 1,000 pounds. A boy can take down and put up a sixteen-foot extension ladder. A man can hold an eighteen-foot ladder out at arm's length in one hand. Our step ladders will not come apart or break. They are made to last forever.

Write for prices and discounts.

Indiana Ladder Company,

INDIANA, PA.

SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

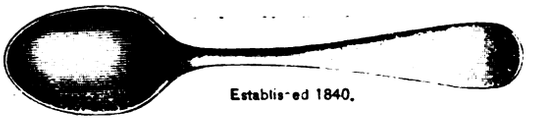
is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

Highest Grade of

Silver Plated Ware

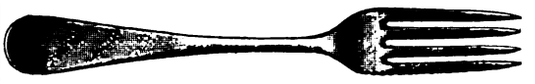
In Spoons, Forks, Etc.

Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.



How he does talk!

Great Scott, how he does talk!

Its all about the superlative merits of the

Leonard Cleanable Refrigerator.

Any salesman can do the same and capture all the sales. . . .

Send for Catalogue

. . . And learn about the

Movable Flues, Metallic Ice Rack, Mineral Wool Insulation, with **Eight Walls** to save the ice. **Air Tight Locks,**

Leonard System of Refrigeration, and other talking and selling points. Get the best and easiest selling Refrigerator, and you will be all right.

Wholesale Agencies in all Jobbing centres.

C. SIDNEY SHEPARD & CO., Chicago.
WM. FRANKFURTH HARDWARE CO., Milwaukee, Wis.
THE F. H. LAWSON CO., Cincinnati, Ohio.
W. B. BELKNAP & CO., Louisville, Ky.
J. C. CULLEN, Knoxville, Tenn.
BARNEY CAVANAGH HARDWARE CO., Mobile, Ala.
BLISH, MIZE & SILLIMAN HARDWARE CO., Atchison, Kans.
MILTON ROGERS & SONS, Omaha, Neb.
SALT LAKE HARDWARE CO., Salt Lake City, Utah.
THE KNAPP & SPALDING CO., Sioux City, Iowa.
MORONEY HARDWARE CO., Dallas, Tex.
SAGINAW HARDWARE CO., Saginaw, Mich.
FONES BROS. HARDWARE CO., Little Rock, Ark.
J. S. BARRON & CO., 141 Chambers St., New York.
HENRY N. CLARK, 103, 105 Blackstone St., Boston, Mass.
BIDDLE HARDWARE CO., Philadelphia, Pa.
BINDLEY HARDWARE CO., Pittsburg, Pa.
RICE, BORN & CO., New Orleans, La.
W. HACKETT HARDWARE CO., St. Paul, Minn.
LAYMAN & CAREY CO., Indianapolis, Ind.
GRIFFITH TURNER & CO., Baltimore, Md.
KINNEY & LEVAN, Cleveland, Ohio.
WAGNER & CHABOT, San Antonio, Tex.
J. D. SEEBERGER, Des Moines, Iowa.
NASH HARDWARE CO., Fort Worth, Tex.

GRAND RAPIDS REFRIGERATOR CO.,

Grand Rapids, Mich.

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NICKEL PLATING OUTFITS.

ZUCKER & LEVETT & LOEB CO.
OFFICES, 526, 528, & 530 W. 25TH ST.
NEW YORK, U.S.A.

SEND FOR CATALOGUE OF
NICKEL & ELECTRO-PLATING
SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Mason's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ½ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Sterectype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

Howard Iron Works,

BUFFALO N. Y.

Manufacturers of

Bench Vises.

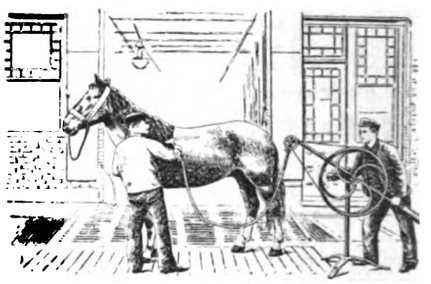
Price Lists sent on application.

HEADQUARTERS FOR

"PRIZE WINNER" HORSE CLIPPERS.

Hand, Bicycle, Electric and Steam Power.

MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.

The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST and most DURABLE MACHINE made.

The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE

FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade. Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

Gillette Clipping Machine Co.,

201 East 23d St., New York.

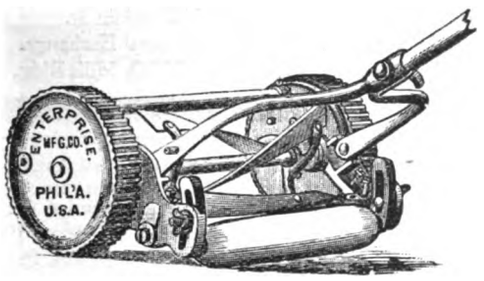
WESTERN AGENTS:

J. H. FENTON & CO.,

153 Michigan Ave., Chicago, Ill.

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"ENTERPRISE"
. . . LAWN . . .
Mowers ✣ Sprinklers



THEY ARE EQUAL, IF NOT SUPERIOR, TO ANY IN THE MARKET.



Painted or ☞Tinned.☜
7, 9, 11, 13 or 15 Inches.

No. 1, - - - Price, $3.50.
No. 2, - - - " 2.75.

Catalogue For The Asking.

The Trade Sells Them.

The Enterprise M'f'g CO. of Pa., Third & Dauphin Sts. Philadelphia, Pa.

New York Branch, J. C. McCarty & Co., 97 Chambers Street.

The Sterling Emery Wheel Mfg. Co.,
Tiffin, O.

EASTERN AGENT:

L. BEST,
45 Vesey Street,
New York.

CUTTER, WOOD & STEVENS,
131 Pearl Street,
Boston



MANUFACTURERS OF

Emery
AND
Corundum Wheels.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1891.

- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 405 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

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The Yale & Towne Manufacturing Company



The Yale Locks
Art Metal Work
Builders' Hardware



GENERAL OFFICES:
280 Broadway, New York.
WORKS:
Stamford, Conn., Branford, Conn.

SALESROOMS:
NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.
BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Bldg.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A thoroughly competent Hardware salesman to sell our patent line of table cutlery to the jobbing trade throughout the United States. Apply in person or by letter with references to the RUSH CUTLERY CO., Springfield, Mass.

HARDWARE SALESMAN.—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address BALTIMORE JOBBER, care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

BY a young married man, 28 years old, sober, with twelve years' experience in a Hardware store. Can furnish personal references. Address L. F. S., No. 162 Massachusetts Street, Buffalo, N. Y.

BY a young married man, 23 years of age, to do any office work, keep books or help in stock. A1 reference. Salary, $12. Address S. A. E., care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as clerk in Hardware store; have had experience, and can give reference. Address F., No. 510 South State Street, Champaign, Ill.

WANTED—A position as salesman in a retail Hardware and farm implement store or all-around man, or a position as traveling salesman with good wholesale house of same lines. Would accept position in any territory. Have had ten years' experience in the retail implement business and two years in the Hardware. Speak English and German Age 34; single. Can furnish best of reference. Address J. N. W., care HARDWARE, No. 143Chambers Street, New York.

POSITION wanted as salesman for manufacturer or jobbers of cutlery or Hardware specialties; fifteen years' experience. Well acquainted in Ohio and Indiana. A1 reference. Address W. B. R., No. 99 Euclid Avenue, Cleveland, Ohio.

WANTED—Position as store or road salesman; five years' experience in general store, Hardware and implement trade; first-class salesman; can give good references. A. P. AYER, South Columbia, N. Y.

WANTED—Inside or outside position by young man; has had ten years' experience in wholesale builders' and general Hardware. Address CORBIN, care HARDWARE, No. 143 Chambers Street, New York City.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

WANTED by a practical metal pattern maker in all its branches, wishes to make a change on or after the first of the year, a competent designer and chaser on ornamental work, with executive ability to take charge of shop. Address MECHANIC, care T. J. Murphy, No. 1168 Indiana Avenue, Chicago, Ill.

A YOUNG man with seven years' experience on the road in the Hardware line will be open for engagement January 1, 1896. Can furnish first-class reference. Would prefer to represent some manufacturing agent or jobbing house in New York State Address SALESMAN, care HARDWARE, No. 143 Chambers Street, New York.

POSITION with a wholesale Hardware house wanted, by a thoroughly competent and experienced traveling salesman. Best reference from present employers. Address R. V., care HARDWARE, No. 143 Chambers Street, New York.

A SITUATION in a Hardware house wanted by a youth of 18; five years' experience. Good reference. Address J. R. B., care HARDWARE, No. 143 Chambers Street, New York.

MIDDLE-AGED man, intelligent, sober and honest, desires situation at Hardware business; willing to be generally useful; thorough knowledge of New York City. Address M. L. BROPHY, No. 42 Perry Street, New York.

YOUNG man (33), thorough knowledge in builders' and general Hardware, cutlery and kindred lines, desires position with jobbing, wholesale or export house; well posted in prices and goods; first-class accountant; A1 references. C. L., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position in wholesale or extensive retail house, by young married man, with about ten years' experience in retail store. Will be ready March 1st. Iowa preferred. Am good mechanic, and expect to work. Address W. L. J., care HARDWARE, No. 143 Chambers Street, New York.

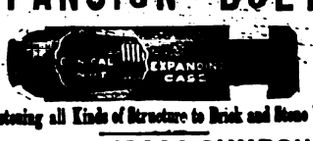
POSITION wanted with large house by practical builders' Hardware-man (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa., Harriett & Kelly, East End.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

BY young man, 23 years of age; sixteen years' experience in Hardware, butchers' and grocers' supplies. Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr. ISAAC CHURCH,
Send for Catalogue Toledo, O

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Situations Wanted.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

TRAVELER, sixteen years with one house and well acquainted with trade in New York, Pennsylvania, Ohio, Michigan and Canada, desires to hear of opening. T. M. W, care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with nine years' experience in cutlery business a position of salesman on the road. Address A. A. S., care HARDWARE. No. 143 Chambers Street, New York.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

WANTED—In a wholesale Hardware house a position as city or house salesman, by a young man thoroughly familiar with builders' Hardware. Best city references. Address A. H. A., No. 130 West Fifty-ninth Street, New York.

HARDWARE salesman, sixteen years' experience, wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

AN experienced salesman would like agency for any line of goods not represented in all, or any part, of New England. Satisfactory references as to ability, and reasons for seeking new position. Address "AGENT," P.O. Box 1077, Springfield, Mass.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman, twelve years with present house, wants line table cutlery, house-furnishing goods, tinware, or A1 specialties, in connection with old line, for Michigan, Indiana and Ohio. Address M. I. & O., care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter house. Best of reference if required. Address W. S. BUCHANAN. Oakland P. O., Louisa County, Va.

GOOD selling specialties wanted to handle in western New England. F. E. WHEELER, No. 476 Main Street, Springfield, Mass.

Side Line Offered.

HARDWARE salesmen wanted in West Virginia, Maryland, New York and Virginia, to sell lubricating oils as a side line. BUCKEYE REFG. CO., Pittsburg, Pa.

WANTED—A bicycle or Hardware traveling salesman to handle A1 side line cycle sundries on commission. State references and territory. Box 235, Rochester, N. Y.

FIFTY salesmen wanted quick, to handle whips as a side line to best Hardware trade. Address U. S. WHIP CO., Westfield, Mass.

WANTED—Salesmen to sell on commission for the manufacturer, as a side line or otherwise, first-class lines of pocket cutlery, etc., in New York State and Pennsylvania. Also in Iowa and adjacent States. Address P. C., care HARDWARE, No. 143 Chambers Street, New York.

SIDE LINE—Hardware, stoves and tin. Good commission. Do you want it? "4769," Mercer, Pa.

SALESMEN wanted on commission to handle as side line or otherwise a line of leather cup valves, cylinder and plunger valves for pumps, etc. Address GEORGE OBERNE & CO., No. 383-401 North Halsted Street, Chicago, Ill.

SALESMEN wanted to sell an article weighing two ounces to the Hardware, grocery, coal and other trades. Used in every house. Commission on each sale $2.50 and up. R. K. TELLER, Unadilla, N. Y.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

SALESMEN, to sell a patented staple specialty which is as great a success as it is a seller. Good commission. A splendid side line for the Hardware, household and kindred trades. Season now on. Address Gibbs Mfg. Co, Canton, Ohio.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

Hardware Store Wanted.

TO purchase a retail Hardware store with a moderate sized stock, having a good location in a live, growing town. Must have a good trade, and doing a good business. Address JOHN R. SWARTZ, Hughesville, Pa.

For Sale.

RARE CHANCE—For sale, an old established general Hardware and house-furnishing store in New Jersey, a city of 18,000 population, within twenty-five miles of New York, doing a thriving business and located on the best business corner in the city. This business can be purchased for $17,000 cash. Address L., care HARDWARE, No. 143 Chambers Street, New York.

FOR SALE—The stock, fixtures and good-will of a Hardware store and bicycle business in a Western city of 60,000 inhabitants. Capital required, $20,000 to $25,000. All or part of the business will be sold. Address W. B., care HARDWARE, No. 143 Chambers Street, New York.

To Let.

A DESIRABLE office to rent with the Wilmot & Hobbs Mfg. Co., No. 2 Murray Street, New York. Steam, heat, electric light and telephone.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Rubber Agency Offered.

RUBBER HOSE, Belting, Packing, etc. Mineralized Rubber is better than Vulcanized at equal prices. Local and traveling agencies granted on uncovered ground. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

Chance for Manufacturers.

WANT competent party to take the manufacturing and marketing of the handiest, most efficient, and inexpensive to make, "Ice Scraper" ever offered; patents just allowed. Address ICE SHREDDER, care HARDWARE, No. 143 Chambers Street, New York.

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THE
CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCK ON EARTH.

UP TO DATE.

Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

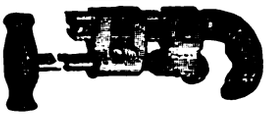
General Agents:
Topping Bros., New York.
Boston & Lockport Block Co., Boston.
Woodward, Wight & Co., Ltd., New Orleans.
Miller, Sloss & Scott, Inc., San Francisco.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.

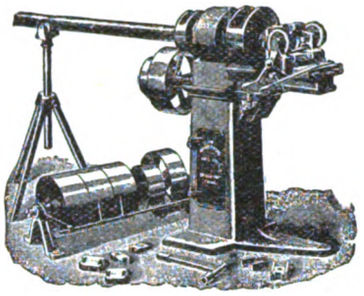
PLACE
THE MATTER
CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

YOUR STOCK IS NOT COMPLETE
Without a Line of



The "ARMSTRONG"



No 2½ MACHINE.

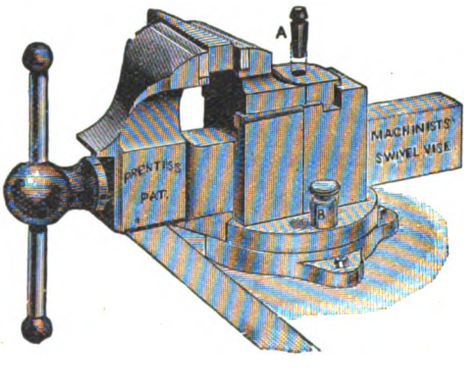
PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.
—NEW YORK OFFICE: 139 CENTRE STREET—



ATHOL MACHINE CO.,
Athol, Mass., U. S. A.
Manufacturers of
Vises, Meat Choppers,
Mechanics' Fine Tools, &c.
Send for 1896 Catalogue.



PRENTISS' PAT. VISES
The Leaders for 20 Years.
Send for Illustrated Catalogue of
ALL KINDS OF VISES.
Prentiss Vise Company,
MANUFACTURERS,
44 Barclay St., New York

SOLDERING COPPERS
CLENDENIN BROS., BALTIMORE, MD.



POSITIVE SECURITY
against sneak thievery by the use of
Shepardson's Key-Hole and Baggage Guard.
Sample by mail 75 cents. Illustrated circular and price list sent on application.
KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—$ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS LOADED—
Standard List July 19, 1890.40&10& 10@40&10&10&10a 5%

GUN WADS—$ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags $ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, $ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, $ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, $ bag .....$ .35
Buck and Chilled Shot, 25-lb bags, $ bag.....$1.55
Buck and Chilled Shot, 5-lb bags, $ bag.....$ .35
Dust Shot, 25-lb bags, $ bag....$2.00
Dust Shot, 5-lb bags, $ bag ....$ .50

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.75
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.65
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... .95
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black..... $ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....$ doz. $3.80
Galien Safety.....$ doz. $3.75
Hartman's Pivot.....$ doz. $4.75

Anvils—

Eagle Anvils, $ lb 9c.....15@15&5%
Peter Wright's.....1@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¼c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4 00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.00	$7.25	$8.00	$9.00
18-16	20-16	22-16	24-16	
$10 00	$11.00	$12.00	$14.00	

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist..... 45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co..... 33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, $ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive..... 30&10&10%

GIMLET BITS—
Diamond $ doz. $1.35.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, $ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal.50&10&5@60&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@40&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg $ gr.....$1.50@$1.55
Pat. Peg $ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad, $ gr...$1.30@$1.40
Handled Brad, $ gr.....$2.50@$3 00
H'ld Scratch $ gr.....$4.00@$4.50
Socket Scratch $ doz....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 $ doz. $7.50; No. 20, $ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands, $5.25@5 50
First quality, other " $4.75@5.00
Beveled add 50c $ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 lb.....$ doz. 80c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's $ doz. 75c 83c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%
Enterprise Barrel Jack Truck and Stand, each..... ...$5.00

Beef Shavers—

Enterprise:
Japanned, each.....$6.50
Tinned, each.....$7.50

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's.....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...6⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra..... 60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..$ doz. $5, 10@10&10%
Weston's, No. 1, $10, No. 2. $9. 25&10&5%
McGill's.....$ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 $ doz.....30%
Millers Falls $ doz. $4.50.....

Bit Holders—

Extension:
Millers Falls Barber's, $ doz. $15 40@40&10%
Ives' $ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..$ doz. $3..33⅓@33⅓&10%
Excelsior..$ doz. $10.00....50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls $ set $1.00.....20%
Austin & Eddy $ gro. sets.....$5.50
Gorhans Improved Star Tenon $ gro. $1.00.....25%
Mackerell's, $ doz. $1.00..20@20&10%
Merriman's Brass Lever $ gr. $15.00
Merriman's Iron Lever $ gr...$9.00
Security Gravity $ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate $ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel ....60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com. Jan. 30, '95.....65&12½%
Genuine Eagle, list Oct. '84...80&5@ 80&10%
Phila., Eagle, list $2.40.....80%
R. B. & W., old list.....70&10&3%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....67½%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....67½%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—
Stove.....67½%
Plow.....60&10&10@70%
R. B. & W., Plow..... .....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....67½%

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'	5.50	6.75, 50@ 50&5%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50 ....
Millers Falls		7.50 .... 25%

Bow Pins—

Humason, Beckley & Co.'s.70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co 60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American.$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30..... .... 60%
Nos. 117, 118, 119..... 0@70&75%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Head Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list....30%
Humason, Beckley & Co.'s.....@90+10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....80&10@80&20%
Cast Brass, Tiebout's Fast Joint.....
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint....33⅓&10%
Cast Brass, Francis Kell & Son 40%
Norwich Lock Mfg. Co. Bronze..30%

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5
Fast Joint, Broad 5 &10@50&5
Loose Joint.....70&10@75&5%
Loose Joint, Japanned.....75&10@ 0%
Loose Joint, Jap. with Acorns, 70&10@8 %
Parliament Butts.....70 10@7 &5%
Mayer's Hinges.....70 & 10@ &5%
Loose Pin, Acorns.....70&10@7 &5%
Loose Pin, Acorns, Jap. 70 10@7 &5%
Loose Pin, Acorns, Jap. 70&10@7&5%
Plated Tips.....5&10@80%

WROUGHT STEEL—

List, April 1 '85
Narrow, No. 8 0
Narrow, Loose Joint, No 802
Loose Joint, No 806
Reversible, No. 804
Broad, No 8 8
Table, No. 810
Back Flaps, No. 814
Square Back Flaps, No. 816
Pew Door, No 818
Chest, No. 820
Reversible, with Steeple or Ball Tips, Nos. 822, 823
Light Reversible, with Ball Tips, Nos. 824
Extra Light, No. 826
Light Reversible, No. 834
Light Loose Joint, No 836
Wardrobe, Ger. Pat. No. 83⅓
Light Narrow, No 838
Loose Pin, Light Nar., No. 840
Light Inside Blind, No 842
Light Inside Blind, Beveled Edge, No 843
Light Inside Blind, Loose Pin, No. 844
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846
Light Inside Shutter, No. 848
Parliament, with Steeple or Ball Tips, Nos. 828, 829
Parliament, No. 830
Light Parliament, No. 832
75&5@75&10%

Can Openers—

Messenger's Comet..₱ doz $2.00, 25%
American.....₱ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ₱ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 3, Iron Handle.₱ gr....$2.20@2.25
Eureka.....₱ doz. $3.50.....10%
Sardine Scissors...₱ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₱ doz. $5.00....25%
Star.....₱ doz. $2.75
New Sprague, Metallic Handles, ₱ doz.....50c
New Sprague, Wood Handles, ₱ doz.....60c
World's Best, ₱ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₱ gr $9.00
Goodell's Acme, ₱ gr. $8.00; ₱ doz.75c
Universal, ₱ doz. $3.00.....55&5%
Domestic, ₱ doz. $2.00.....45%
Champion, ₱ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ₱ gro $7.00.....50%
Kohler's Cyclone.....₱ doz. 75c
Kohler's Lightning.....₱ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....2@25%
Cotton.....2@25%
Wool.....2@25%

Carpet Stretchers—

Cast Steel, Polished.....₱ doz $2.25
Cast Iron, Steel Points.₱ doz.75@80c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....₱ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....₱ doz. $36.00
Gold Medal.....₱ doz. $27.00
Prize.....₱ doz $27.00
Premier.....₱ doz. $27.00
Superior.....₱ doz. $27.00
Cosmopolitan.....₱ doz. $27.00
Furniture Protector, Japanned.....₱ doz. $24.00
Furniture Protector, Nickel.....₱ doz. $27.00
Inter Ocean.....₱ doz. $27.00
Hall.....₱ doz. $48.00
Crown Jewel, japan finish, ₱ doz $ 9 00
Crown Jewel, silver bronze trimmings, ₱ doz.....$21.00
Crown Jewel, nickel trimmings ₱ doz.....$21.00
Excelsior.....₱ doz. $22.00
Garland.....₱ doz. $18.00
Grand Rapids, Jap..₱ doz. $24. 0
Grand Rapids, Nick..₱ doz. $27.00
Housewife's Delight..₱ doz. $15.00
Improved Parlor Queen Japanned.....₱ doz. $24.00
Improved Parlor Queen Nickeled.....₱ doz. $27.00
Standard.....₱ doz. $24.00
Bissell's Child's Sweeper ₱ doz.....$8.00

Casters—

Bed.....
Plate.....
Shallow Socket.....
Deep Socket.....
Martin's Patent (Phoenix).....
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....0%
Yale Gem.....70&10%
Giant Truck Casters.....
Stationary Truck Casters.....50&1
Socket Truck Casters..4 &10@ &
10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....5%
Gwinner's Hercules.....50%
60&10@6 &10&1 %

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....60%
COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

American Coil, in cask lots at fact.
#16 ¼ 5 16 ⅜ 7-16 ½ ⅝ ¾
$6 75 5 40 4.00 3 75 3.50 3.40 3.20 3.15
Less than cask lots, add ¼c @ ¼c ₱ lb.
Trace, Wagon and Fancy Chains, 60&10&1 @70%
Covert Mfg Co.....45%
German Coil.....7 @70&10%
German Halter Chain....7 @70&10%
Oneida Halter Chain .....60@60&10%
Covert's Halter Chains.....4 &2%
Covert's Heel Chains.....45&5%
Covert Mfg. Co. Chains.....5%
Galvanized Pump Chain, with Buckles.....6¼@6½%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—
P. S. & W.....
Winslow Edge Tool Co.
Ohio Tool Co.....
Swan.....
Sag Harbor Tool Co....
Jennings & Griffin Mfg. Co.....
Mix.....
75@10&10%

C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%

TANGED AND MISCELLANEOUS—
Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to $
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....30%
Jennings & Griffin Mfg. Co. Drawing Knives.....75&10&10%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ₱ lb ¼c@ 6c
Box.....60&10%

Chucks—

Beach Pat....each $3.00.....30%
Morse's Adjustable, each $7.00 30@30&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....5%
Skinner's Pat. Comb. Chuck.....40%
Drill.....
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $3.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....35&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&1 @ 5&1 %
Carriage Makers', Sargent's..50& 1.@70 10&5%
Carriage Makers' P. S. & W. Co. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .....2 &70%

Cleavers—

Foster's.....30%
Jennings & Griffin 40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.00
Clarke's (Imported).....3.50
Albion L (for left hand)....3.50
Foxhall.....3.50
Auto rat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket 2.50
Triumph (Ball bearing), horse toilet. 4.00
Keystone (Ball bearing), centre fly nut. 5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10& 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List .....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.....25%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....25%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's 33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson .....₱ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N R. G Gloves...₱ doz. $12 00
No. 123 Gloves.....₱ doz. 4.50
No. 125 Gloves.....₱ doz. 6.00
No. 15 Gloves.....₱ doz. 9 00
No. 55 Gloves.....₱ doz. 8 00
No. 146 Gloves.....₱ doz 9 00
No. 5 Gloves.....₱ doz. 7.50
No. 142 Gloves.....₱ doz. 7.00
No. 138 Gloves.....₱ doz. 6.00
No. 053 Gloves.....₱ doz. 8.00
No. 147 Gloves.....₱ doz. 4 50
Wrist Supporters.....₱ doz. .75
No. 160 Husking Pin..₱ gro. 7.00
No 165 Husking Pin..₱ gro. 10 50
No. 170 Husking Pin..₱ gro. 2 0
Hubbard's Solid Steel.₱ gr 6.00 33⅓
Perkins Hose:
Styles A and B, ₱ doz. $2.00; E, $1.75.....6%
Wrist Supporters.....₱ doz. 75c
Mittens.....₱ doz. $1.50
Ashtaoula.....₱ gro. $2.50
Brinkerhoffs.....₱ gro. $15.00
Buckeye.....₱ gro. $4.00
Cleveland.....₱ gro. $7.50
Johnson's.....₱ gro. $6.50
Universal.....₱ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....35@35&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₱ gro. $6.75
Emerald.....₱ gro. 5.00
Oriole.....₱ gro. 5.00
Rainbow.....₱ gro. 2.81
Solid.....₱ gro. 7.50

Curry Combs—

Spring Jap'd ₱ doz $1.75; Riued, $2.25; Nickeled, $3.00.
Rubber, ₱ doz. $7.00.....20@10%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....₱ doz. $1 75
F. E. Kohler & Co.'s Humane ₱ doz. $1.80
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, dos.....40&10%
Nickeled Shank 4 4½
$1.25 $1.43 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.25, dos.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G. 50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. ₱ 50&10%
Thaxter Electric Lock, list....$35.00

SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"...$1.50

GAS LIGHTING KEYS—
Stanley & Patterson, list Jan. 1893.....33⅓%

Door Springs—

Torrey's Rod, 39 in, ₱ doz $1.25@1.35
Bee Rod ₱ gr., $20.00.....30%
Warner's.....55@55&5%
Gem (Coil), list April 19, 1886. 25&10%
Star (Coil), list April 19, 1886. 30&10 &10%
Foster's (Coil).....30%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ₱ doz, $13.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ₱ doz. $5.50. 65%@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
80@80&10%

Merrill.....60&10@40&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White.....2 &5@25%
Bradley's.....25%
Adjustable Handle.....25@25&5%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1.75
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....80&5%
Breast, Millers Falls, each $3.00..25%
Breast, Barthoomew's No. 12, ₩ doz.....$14.00
Ratchet, Merrill's.....20@40&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....20@30&5%
Ratchet, Whitney's.....40&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting..33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $.2.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1 75@1 85
Stearns' Bench.....50@.0&10%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
National.....₩ gro $1.50
Dover (Standard Co)....₩ gro $9.50
Dover Extra Heavy (Standard Co.) ₩ doz $2.50

Electrical Supplies—
J. Jones & Son:
Alarm Clocks, Electric.....$ .00 each less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..6 0 ea., less 50%
Batteries, edical $8.00 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, electric 2½, 50c ea., less 50%
Call Bell Outfit, Electric...$2.00 each, less 50%
Desk Pushes Electric...40c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Riser Set, Electric, $ .50 each, less 50%
Floor Pushes, Electric...6 0. ea., less 50%
Gas Burners, Electric....5 c. ea., less 50%
Gravity Batteries, $1 00 ea. less 50%
Hydrometers ..7 c. each, less 50%
Incandescent Lamps .4 c. each, less 50%
Induction Coils, Telephone .6 c. each less 50%
Lead Covered Wire No. 18, No. 16 N. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Wood..10c. each, less 50%
Push Buttons, Bronze, 20c each, less 50%
Sal Ammoniac...18c ₩ lb, less 60%
Switches, 1 pt....20c each, less 50%
Switches, 2 pt.. 24c. each, less 50%
Switches 3 pt....3c each, less 50%
Spare Coils, 8 pt. $2.4 ea., less 50%
Spark Coils, 10 pt $ .4 ea., less 50%
Spark Coils, 12 pt.....$1.00 each, less 50%
Tape, Insulating, 6 c. ₩ lb less 50%
Tube, Speaking, $21.00 ₩ 1,000 ft. less 50%
Whistles, Speaking Tube, Parcel-in.....75c ₩ doz., less 50%
Whistles, Speaking Tube, N. P., 2-0 ₩ doz., less 50%
Wire Winders, $10 00 each, less 50%
Window Springs, Electric...24c each, less 50%
Yale Lock Switch, Electric, $2.50 each, less 50%
Zincs, Leclanche...04c. ea., less 50%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF FF.
Kegs, ₩ lb..4½c	5c	3c	
½ kegs, ₩ lb. 4½c	5½c	3½c	
¼ kegs, ₩ lb. 5c	5½c	3½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans less than 10.. 10c	10c	8c	

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....70%

Enameline—
No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—
John Sommer's Peerless Tin Key.40%
John Sommer's Rose Tin Key 50%
John Sommer's No Brand Metal Key.....0 %
John Sommer's W. P. Metal Key.40%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's Reliable Cork Lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Chicago Cork Lined.....60%
John Sommer's O. K. Cork Lined 50%
John Sommer's Perfection Cedar. 1%
John Sommer's Cedar (in bbls. 5& 1%
Bohren's Pat. Rubber Ball.....25%
Penn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—
Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt ..	$3.00	$3 50	$4.00
Dairy Pails, 14 qt.. ..	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled fire.....	3.40		
Prison Pails, 6 qt (with cover)	6 50		
Buggy Pails, 7 in. high.	2.60		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)..	3.70		
Slop Jars (bal. trap c'v'r) No. 5 and 5x. 14 qt	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.....	4 50	5.50	6.00
Commode Ring, (extra for Slop Jar, etc.)....	1. 0	1.7	2.00
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	.70	2. 0
" (13½ inch)	1. 0	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls)	2 30	2 90	3 40
Wash Bowls 14 in. deep	2.80	3.80	4 00
Pitchers, 10½ in. high..	4.00	4.70	5.00
Milk Pans.....	1. 0	2.00	2.20
Fruit Bowls.....	1.20	1.70	2. 0
Keelers, 11½ inch.....	2 30	2 80	3.10
Waste Paper Jars..	3.0	4 00	4.50
Mats, 8½ inch (for table use)	.50	1 00	1 20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.70	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)..	3.00	3.70	4.30
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.50	6.50	7.00
Spittoons, Daisy, 8½ in (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4 00	4.80	5.30
Peck Measures.....	2.80		
Half Peck Measures...	2.50		

Files—
DOMESTIC—
Best Brands.....60&10&10@70%
Good Brands.....70&5@7 %
Fair Brands.....75&5@75& less 5%
Second Quality.....80&5.0&10%

IMPORTED—
Stubs.....Stubs' list, 25&30%

Filters—
Seed's Water Filters:
A 1, $4.50 No. 2, $3.0 No. 3, $1.75 No. 4, $1.00 ₩ doz.

Fish Hooks—
Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (60 to base).....10%

Fluting Scissors—
List.....45%

Forks—
Hay, Manure, &c., Asso. List....75%
Hay, Manure, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....65%
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....55%
Keystone, P. D. & Co.....30%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....70%
American.....60%

Fry Pans—
Standard List:

No.....	0	1	2	3	4
₩ doz..$3.00	$3.75	$4.25	$4.75	$5.25	
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...7%@7 &10%
Acme Fry Pans.....70&5@7 &10%

Gauges—
Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....35%
Clapboard.....30.....
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....3%
Wire, Brown & Sharpe's.....25%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $3.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....60@60 &10%
"Eureka" Gimlets.60&10@60& 10& 5%
"Diamond" Gimlets ₩ gro .. $1.50
Double Cut.....40%
United States .....35& 10%
Pod.....60& 10%
Wood head.....50& 10%
Double Cut, Ives'...40& 0@60&10&5%
Double Cut, Douglass'....40& 10@50%
"Bee," ₩ gr $12 .....25@25& 10%
Bell Hangers..... .....50%

Glue—
Dodd's Liquid Glue.....25& 5@35%
Le Pages Liquid.....25@30%

Glue Pots—
Tinned.....50@50& 10%
Enameled.....50@50& 0%
Family, Howe's "Eureka".....4 %
Family, L. F. C.'s "Handy".....50%

Graters—
Enterprise.....25%

Grindstones—
Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—
Howard Iron Co.....20%
Sargent's Patent..70&10@70& 10& 10%
P. S. & W. Co..... .....50&10 &10%
Moore's .....55& 10%
Russell & Erwin.....70& 10%

Gunpowder—
See Ammunition.

Hafts—
Britton's.....₩ doz. $6.50

Halters—
Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters 33⅓%
Web and Rope Halters...33⅓ &5%
Horse and Cattle Ties.....33⅓&2 %
Upson & Wooding.....40%

Halter Leads—
Covert Mfg. Co.....45%

Hammers—
HANDLED HAMMERS—
Maydole's.....25&1 @25&10&10%
Buffalo Jammer Co... } Humason & Beckley... } Atha Tool Co..... } 50&10@60%
C. Hammond & Son. List..4 &10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25& 10%
Peck, Stow & Wilcox.....40@4 &5%
Sargent's.....40& 10@40&10&5%
Ladies Perfect Tack, ₩ doz..... Nos. 1, $3; 2, $4..... .....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00 .....45%
Upholsterers Solid Steel, French ₩ doz. $9.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....30%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb...₩ lb 4c } 3 to 5 lb.....₩ lb 36c } Over 5 lb.....₩ lb 30c } 75@75&5%
Wilkinson's Smiths...10c@10½c ₩ lb

Hammock Ropes—
Covert Mfg Co.....45%

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1 05	1.25	1.50

60&10&5&2 %
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..0&10% 50&10&5%
Roggin's Latches ₩ doz.....$3.00

STORE DOOR HANDLES.—
Japanned Nuts.....$1 00
Bronzed.....60&10@65%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....65%
Bank Door.....60& 10%
Plain B. M.....65%
Bar.....60& 10%
Push Plates, Sargent's List.....65%
Sash Pull Plates.....70& 10%
Drawer Pulls.....70& 10@75%
Sash Pulls.....60& 10& 10%
Window Pulls.....65%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....10&5%
Brad Awl .....₩ gr $2.00
Hickory Firmer Chisel, as ₩ gro } " Firmer Chisel, large ₩ gr 6.00 } Apple Firmer Chisel, as ₩ gr 6.00 } Apple Firmer Chisel, large ₩ gr 8.00 } 40& 10@5%
Socket Firmer Chisel, as. ₩ gr 2.75 } Auger, assorted ...₩ gr 5.00 } Auger, large.. ....₩ gr 7.00 } 50%
Worcester Leather cap'd Chisel.25%
File, assorted.....
Pat. Auger Ives'.....80&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.6 &10@6 & 10&10%

CROSS-CUT SAW HANDLES—
Atkins.....40%
Boynton' Loop Saw Handles, 50c.50%
Champion.....45& 45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—
Barn Door, old pattern....7 @70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....55%
Champion .....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $2 .00; No. 3 $35.0; No. 4, $35.00.. 7 %
Cheritree.....60& 10%
Kidder's.....60@60& 10%
The Boss.....60&10@60& 0&5%
Best Anti-Friction 60&10@ 0& 5 &5%
Duplex (Wood Track).....60& 10&5%
Terry Ideal.....6 &10%
Terry's Modern..... 6 %
Terry's Medium, Covered.....40%
Terry's Safety..... 6 &5%
Terry's Solid ..... 60& 0&10&5%
Terry's Wrought..... 6 &1 &10%
Munger Hanger ..... 2 &10%
Davis Parlor Door ..... 50@50&5%
Cronk's Steel cov'd Anti-Frict...60%
Cronk's Acme, Flat Steel ₩ doz. $7.00..... 75%
Queen City Reversible...75&10&5%
Felix, ₩ set $4.50..... 20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @35&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....50@50& 5%
Rider & Wooster, No. 1, 65½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&50@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....33%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—
Lightning, from jobbers.$6 @$7.50
Gem.....₩ doz $10
Wadsworth's.....40&7½@40& 10%
Carter's Needle..₩ doz $11.50@12.00
Heath's.....₩ doz $13.50@14.00
Auburn Hay, Corn, and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T..... 7 &1 @80%
Corrugated Strap and T..75& 10@50%
Hart's Pat. Heavy Strap.....30%

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Screw Hook and Strap. { 6 to 12 in., ₩ D 3 c; 14 to 20 in., ₩ D 2 ¼c; 22 to 36 in., ₩ D 2 c
Rolled Blind Hinges Nos. 32 and 34 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 6 to 12 in. ₩ D, 5c. 14 to 36 in. ₩ D, 4c.

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔&%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
American.....20%
Empire and Crown.....20%
Stover Ideal ₩ gro.....$13.0
New Idea, No. 1, ₩ gro.....$12
New Idea, No. 2, ₩ gro.....$24.
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting.....25%
Union Mfg. Co.....25%
Bommer's.....35%
Buckman's.....25%
Chicago.....30%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $13.00
Devore's No. 1.....₩ gr. $13.00
Rex.....₩ gr. $13.00
Royal Japanned.....66⅔&%
Royal Bronze.....45%
Reliable.....60%
Champion.....60%
Matchless No. 10.....70%
Victor.....₩ gr. $10.00
Torrey.....80%
Rubber.....66⅔&%

GATE HINGES—

Western, ₩ doz $4.20, 60&10@60&10&5%
N. E...₩ doz $7.80, 60&10@50&10&5%
N. E. Reversible..₩ doz $5.60, 60&10@50&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..₩ doz $4.90, 60&10@50&10&5%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3, 60&10@60&10&5%
Sargents.....60%
Reed's Latch and Hinges..₩ doz $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—

Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....60&10@60&10&10%
Clark's Nos. 1, 3, 5, 40 and 50. 75&10&5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75&10%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&2½%

Hitching Cords—

Covert Mfg. Co.....45%

Hoes—

HANDLED—

Garden, Mortar, &c.....75@30%
Planter's Cotton, &c.....80&20%
Warren Hoe.....60&10%
Magic.....₩ doz $4.00
Dunlap's:
Boys'.....80&10%
Ladies'.....80&10%
Toy.....80&10%

EYE—

D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.30&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat.....70%
Hubbard & Co., S. & O. Pat. 60&5@60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Muslin Kettles.....75&10@80%
Boilers and Saucepans..60@80&10%
Tinned Boilers and Saucepans. 60@60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware... 60&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—

4 mo. or 5% cash in 30 days.
Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&15&5%
Rogers & Brother.....40&15%
Hartford Silver-Plate Co....40&5&5%
William Rogers Mfg. Co...40&15&5%

Hooks—

CAST IRON—

Bird Cage, Sargent's list / Bird Cage, Reading.... / Clothes Line, Sargent's list. } 60&10&10@70% 5&10%
Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....50&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60&10&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—

Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz.....60c

MEAT—

Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&%

WIRE—

Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50@50&10%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....50&10@50&20%
Handy Coat and Hat.....60@60&10%
Steady Ceiling.....60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—

Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush.....5@50%
Whiffletree—Premium.....60%
Hooks and Eyes—Mal. Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam.....	23c	21c	20c	19c	18c	15%
American..	9½	9½	9½	9½	9½	net
Ausable.....	28c	26c	25c	24c	23c.	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&5%
Essex.....	28c	26c	25c	24c	23c.	40&10@50%
Lyra....	9½c	9½c	9½c	9½c	9½c.,	net
Snowden,	9½c	9½c	9½c	9½c	9½c.,	net
Vulcan.....	23c	21c	20c	19c	18c.	25%
Northw't'n.	25c	23c	22c	21c	20c.	25@25&5%
A. U.....	25c	23c	22c	21c	21c.	40&10%
C. B. K.....	25c	23c	22c	21c.	21c	40%
Maud S.....	25c	23c	22c	21c.	21c	50&10&5%
Champlain..	28c	26c	25c	24c	23c	40&5&2%
Saranac.....	23c	21c	20c	19c	18c.	40&5%
Champion..	25c	23c	22c	21c	20c.	40&5&2%
Capewell...	19c	18c	17c	16c	16c.	10&5%
Anchor.....	23c	21c	20c	19c	18c.....	35%
Western....	23c	21c	20c	19c	18c.....	50%
Empire Bronzed.....						10@10½c

Horse Shoes—

See Shoes.

Horse Ties—

Covert Mfg. Co.....45%

Hose, Rubber—

Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10&5%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—

Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Shredders—

Enterprise, ₩ doz.....$15.00

Jack Screws—

See Screws.

Knives—

Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....25@ 0%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔&%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—

Door Mineral.....55@60%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—

Sargent's.....60&10@60&10&5%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers

New Easy.....@60&10&60&10&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%

Kettles -

Spun Plain Brass.....25&5%
Spun Brass, plated inside with White Metal.....20&5%
Stamped Brass Kettles, ₩ D 19@20%

Keys—

Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%
Genuine Philadelphia Mowers: Styles, D., D. O. W., M., S., T., C. K. L., and B. Self-adjusting.....70&10%
Styles A., and E.....60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—

Enterprise.....25%
Gibbs' Arc.....₩ doz. $10.00
Gibbs' Hustler.....₩ doz. $5.00
Philadelphia Lawn Mower Co.
Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00..40%
No. 4, $7.00 each.....33⅓&%

Lemon Squeezers—

Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 20&10%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....30%

Letter Box Plates—

Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—

C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—

See Transom Lifters.

Lines—

Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....30%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....44%
Ventilator Cord, Samson Braided. White or Drab Cot. ₩ doz. $7.50, 20%

Locks—

DOOR LOCKS, LATCHES, &C.—

R. & E. Mfg. Co., list August 15, 1895.....60&10 net
Mallory, Wheeler & Co., list July, '88.....60&10@70%
Reading Hdw. Co. List Feb. 2, '98. 60@60&10%
Sargent & Co., list July, '94..60&10@60&10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓&%
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....60&10%
Shepardson or U. S.....35%

CABINET—

Cabinet Locks.....60&10@70%
Eagle Lock Co.....35&10%
Charles Parker Co.....33⅓&2%
Diets, Nos. 23 to 39.....40%
Diets, Nos. 41 to 78.....45%
Dietz, Nos. 87 to 96.....30%
Stoddard Lock Co.....30@33⅓&%
Yale.....net prices
Romer's.....35%
Barnes Mfg. Co.....40@40&10%

PADLOCKS—

Wrought Iron.....70&10@80%
Gem. Corbin Cabinet Lock Co.40&2%
Eagle.....40%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 1.....40&5%
Scandinavian.....9@40@40&10%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ₩ doz. $9.00...5@50&10%
Barnes Mfg. Co.....50@10&10
Nock's.....30&10%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian Nos. 1010 line.....90&5%
Nos. 120 line.....90&25%
Nos. 109 line.....55%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 10, inclusive.....50%
Ames Sword Co. above No. 103, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%
Slaymaker, Barry Co.'s:
No. 21 to 712.....net
Cast Key, Scandinavian Locks 60&10%
Flat Steel Key, Scandinavian Locks.....net
Self-Locking Scandinavian Locks.....net
Bicycle Locks.....35%
R. R. Switch and Car Door Locks.....net
Dog Collar Locks.....4%
All other Padlocks.....net
Night Latches.....net

Mallets—

Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—

Regular list.....70&10@75%

Meat Cutters—

Dixon's.....₩ doz 40%

Nos.....	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....33⅓&%

Nos.....	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70@70&5%

Nos.....	11	12	13
	$37.00	$33.00	$45.00

American.....30%

Nos....	1	2	3	4	5
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.....	1	2	3
Each.....	$3.00	$3.75	$4.00

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Enterprise.....25&30%
Nos.....10 12 22 32 42
Each...$3 $3.50 $4 $6 $15
Miles' Challenge ₩ doz...45@45&10%
Nos..... 1 2 3
$22.00 $30.00 $40.00
Home No. 1..₩ doz $26.00.....60%
Draw Cut, each:
Nos....5 2 6 8
$50 $75 $80 $225.....20@25%
Beef Shavers (Enterprise).....25@30%
Little Giant.....50&10%
Nos. 305 310 318 320 332
$35.00 $48.00 $44.00 $72.00 $58.00
Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.]
Wire Nails and Brads, Pavered, Association list, May 1, 1892, 8 & 10@8o&10&10%
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—

Brass Head, Sargent's list, 70&10@70&10&5%
Brass Head, Combination list, 50& 10%
Porcelain Head, Sargent's list, 50& 10%
Porcelain Head, Comb'n list, 40&10%
Niles' Patent.....40%

FURNITURE—

Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—

Black Hawk, per doz.....$9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 20@10%
Giant, No. 2.....₩ doz $15.00, 20@10%
Pelican.....₩ doz $9.00, 25&10%
Lightning.....₩ doz $18.00, 20%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....30%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....50%

Nuts—

Cold Punched, Square....4½c off list
Hex.....5c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 ₩, add 1-10c ₩ ₩ net; in packages less than 100 ₩, add ½c ₩ ₩, net.
Tapped.....50%

Oilers—

Zinc and Tin.....70&10@75%
Brass and Copper.....50&10@10%
Malleable, Hammers, Improved 10&5%
Malleable, Hammers, Old Pattern, same list.....50&10@60%
"Perfect Pocket Oilers, 26c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc,....70%
Prior's Pat. or "Paragon Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ₩.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2⅜ to ⅝ at back, ⅛ to 5-16 edge ₩ ₩:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ₩.....70
Discount 33⅓%.

Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x⅝ to 1¼, ₩ ₩..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x⅝ to 1, ₩ ₩..... 2.80
No. 1. 5½ to 8x1¾ to 2x⅝ to 1, ₩ ₩..... 3.50
No. 1, 8 to 12x1¾ to 2x⅝ to 1, ₩ ₩..... 4.00
No. 2, 3 to 5½x1¾ to 2x⅝ to 1, ₩ ₩..... 1.00
No. 2, 5½ to 8x1¾ to 2x⅝ to 1, ₩ ₩..... 1.50
Discount 33⅓%
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x2 in.....₩ doz. $ 0.00
7x2 in.....₩ doz. 33.00
6x2 in.....₩ doz. 30 00
5x2 in.....₩ doz. 24.00
4½x ½ in.....₩ doz. 14 00
3 x1 in.....₩ doz. 9 00
4x1 in., on Mahogany Handles.....₩ doz. 7.00
3½ in., in Vulcanized Rubber Case.....₩ doz. 12.00
Discount 33⅓&10%
Pike's Arkansas Round Edge Slips:
No. 1 reg., 3 to 5x1¾ to 2x⅝ to ⅝ in. back x⅛ to ⅜ in. edge, ₩ ₩..... $4.00
No. 1 small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x ⅛ in. to sharp edge.....₩ ₩ 6.00
No. 2 assorted sizes.....₩ ₩ 2.50
Discount 33⅓%
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ ₩..... 4.00
No. 2, assorted sizes, ₩ ₩..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x⅝ to 1 in.....₩ ₩, $1.50
No. 1, 5½ to 8x1¾ to 2x⅝ to 1 in.....₩ ₩, 1.70
No. 1, 8 to 12x1¾ to 2x⅝ to 1 in. ₩ ₩..... 1.90
No. 2, 3 to 5½x1¾ to 2x⅝ to 1 in.....₩ ₩, .50
No. 2, 5½ to 8x1¾ to 2x⅝ to 1 in.....₩ ₩. .70
Discount 33⅓%.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1, reg., 3 to 5x1¾ to 2x⅝ to ⅝ in. back x ⅛ to ⅝ in. edge, ₩ ₩..... $2 50
No. 1, small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x ⅛ in. to sharp edge.....₩ ₩, 4.00
No. 2, assorted sizes.....₩ ₩, 1.00
Discount 33⅓%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ in.....₩ ₩, $2.50
No. 2, assorted sizes, ...₩ ₩ 1.00
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x⅝ to 1¼, ₩ ₩ .08
Washita Finish, about 8x2x⅝ to 1¼, ₩ ₩..... .10
Round Edge Slips, about 6x1¼ to 2x½ to ⅝ back x ⅛ to ¼ edge, ₩ ₩..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ ₩..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ½, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x⅝ to 1¼ ₩ ₩..... .08
Small Axe, about 3x2x½ to 1 ₩ ₩..... .10
Special Axe, 2¼x1½x¼ ₩ ₩... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 ₩, ₩ ₩..... .05
Medium, 8 x 1½ x 1½, weight about 1½ ₩, ₩ ₩..... .05
Large, 8x1¾x1¾, weight about 2 ₩, ₩ ₩..... .05
Small table, 10x2¾x3¾, weight about 4 ₩..... ₩ ₩.... .06
Large Table, 10x2¾x5 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₩ ₩ .50
Extra, " ₩ ₩..... .8
Round Edge Slips, No 1, ₩ ₩. 2.00
Discounts 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per ₩ 70c.....40%
Boston "Phœnix" Red Sheet, per ₩.....50c. net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N. Y. B. & P. Co., 1846-Para...40&10%
N. Y. B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....70@5%
Standard, Fair Quality...70&10@75%
Extra.....60&5@60&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₩ ₩ 30c 2@25&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ ₩
Russian Packing.....13c@14c ₩ ₩
Italian Packing.....12c@13c ₩ ₩
Cotton Packing.....14c@15c ₩ ₩
Jute.....6c@7c ₩ ₩

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 8.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ poz 4.00
Improved Bay State.₩ dz..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.50
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro $4.50
Dixon's Mascot, Round..₩ gro. 3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.37
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&10%
Miscellaneous.....25&10%
Steers Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's.....6@6&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to £
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
} 3⅓&10@30 &10&10%
L. & J. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers. ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk, Stubb's Pat Pliers.....5%
Cronk's Button Pattern.....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....2 and 5%
Stanley's Handy.....2 & 10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@75&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $26.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75
Dixon's Plumbago.....₩ ₩ 8c

Poppers, Corn—

Round or square, 1 qt., ₩ doz. $1.00; ₩ gr. $8.00 } 10@
1½ qt. ₩ doz. $1.50; ₩ gr. $9.00 } 15%
2 qt., ₩ doz. $1 50; ₩ gr. $14 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt, $4 00.....33⅓%

Post Hole Diggers—

The Ryan.....₩ doz., $5.00

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses, Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale. 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔%@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔%@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump..... $15.00
No. 5, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump..... $17.00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump..... $15.00
No. 32, Fig. 523, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump..... $14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump..... $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump..... $15.00
No. 72, Fig 333, 3 in. Deep Well Pump..... $15 00
No. 73, Fig 333, 3½ in. Deep Well Pump..... $16.00
No. 102, Fig. 448, 3 in. Lift Pump..... $10.00
No 108, Fig. 448, 3½ in. Lift Pump..... $12.00
No 128, Fig. 510, 3 in. Lift Pump..... $7.00
No. 131. Fig. 510, 3½ in. Lift Pump..... $8.50
No. 225, Fig. 389, Windmill Pump..... $12.50
No. 230, Fig. 402, Windmill Pump..... $15.50

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No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 260 Fig. 4-4, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 512, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 342, Fig. 477, Spray Pump complete.....$11.50
No. 320. Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring.....5 & 5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe.....$6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.00
Planished Iron, to fit 7 in. Stove Pide.....$8.50
Planished Iron, to fit 8 in. Stove Pipe.....$10.00

Rail—

Sliding Door, Wr't Brass, 1½ in. ₩ ft., 36c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 2c
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....8½c
Victor Track Rail, 7c ₩ foot.....70%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—

Cast Steel, Association goods.75&20%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz. $3.50
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1. net ₩ doz. $4.50
Gibbs' Hustler, No. 0. net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.35..30%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $2.00: No. 2, $2.50. } 25%
Duval's Wood, ₩ doz.,
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.12
Hay 12 teeth. No $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....10%
Jordan's AAA1, list Nov. 1, 1889..60%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—

Francis Keil & Son.....50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95.....60%
Coopers.....60%
Block.....60%
Carriage.....60%
Hame.....60%
Burrs.....60%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—

Regular list.....70%

Rods—

Stair, Brass.....25@30%
Stair, Black Walnut.....₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10&10@70%
Moore's Acme Barn Door.....10%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope

Manufacturers' Prices:
Manila, 7-16in. & larg'r ₩ ℔ 7 c
Manila.....⅜in ₩ ℔ 7¼c
Manila, ¼ and 5-16 in ₩ ℔ 7 c
Man. Hay Rope, Med. ₩ ℔ 8 c
sisal, 7-16 in. & larger ₩ ℔ 5 c
Sisal.....⅜ in ₩ ℔ 5½c
Sisal...¼ and 5-16 in ₩ ℔ 6 c
Sisal, Hay Rope.... ₩ ℔ 5 c
Sisal, Med. L'the Y'rn ₩ ℔ 4½c
1½% for cash in 10 days.
Cotton Rope, Best, ¼ in. and larger.....₩ ℔ 12@12½c
Medium, ¼ in. and larger, ₩ ℔..9c
Common, ¼ in. and larger, ₩ ℔..8c
Jute Rope.....₩ ℔ 5½@6c

Rules—

Boxwoo...80&10&10&10@80&10&'0 &10&5%
Ivory.....60&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%
Lufkin's Steel.....60%
Lufkin's Lumber.....5 &10%
Brown & Sharpe.....25%

Sad Irons—

From 4 to 10.....₩ ℔ 2@2½c
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....6¼c
New England.....5c, 20&10%
Mahony's Troy Pol. Irons.....15%
Sensible Pol., ₩ doz $3.00..... 20%
Nickel.....₩ doz. $7.00
National Self-heating.....25%
Enterprise Mfg. Co. of Pa:
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$7 45
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$7 00
Irons, No 1 2 or 3 with handles, ₩ doz.....$6.25
Irons, No 1, 2 or 3 with hand es, ₩ doz.....$6.75
Irons, No. 4 with handles ₩ doz.....$9.80
Irons, No. 4 with hand'es ₩ doz.....$8.80
Iron , No. 1, 2 or 3, ₩ doz.....$5.75
Irons, No. 1, 2 or 3, ₩ doz.....$ .25
Toy Irons, ₩ doz.....$1.50
Toy Irons, ₩ doz.....$ .25
The "Best" Handles, with Forged Iron Stretchers, ₩ doz.....$3.00
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz $3.50
Nickel.....₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder. Adamson & Co.'s:
Sand and Emery Paper..50&10& 5@5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—

Common.....₩ ℔ 8½c@9c
Jute, good quality.....₩ ℔ 11c
White Cotton Braided, fair...₩ ℔ 21c@24c
Common Russia Sash..₩ ℔ 12½c@ 3c
Patent Russia Sash...₩ ℔ 13½c@14c
Cable Laid Italian Sash ₩ ℔ 22½c@25c
India Hemp Sash.....₩ ℔ 10½c@ 1c
Silver Lake:
A Quality, White., ₩ ℔ 50c....10%
A Quality, Drab...₩ ℔ 55c... 40%
B Quality, White ₩ ℔ 60c, 15&7½%
B Quality, Drab, ₩ ℔ 35c..15&7½%
C Quality, White (only) 26½c@ 28c
Sylvan Spring:
Extra Braided White.....₩ ℔ 53c
Extra Braided Drab.....₩ ℔ 53c
Semper Idem, Braided White ₩ ℔ 24c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ ℔ 30c
"Samson" Braided Drab, Cotton.....₩ ℔ 35c
"Samson" Braided Italian Hemp.....₩ ℔ 33c
"Samson" Braided Linen, ₩ ℔ 30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....60&10@6"&10&10
Hammond's Window Springs, A 60&10%
Hammond's Window Springs, B..50%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.. .....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86.....70%
Payson's Perfect.....70%
Huguin's Sash Balances.....30&2%
Huguin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@30&10&10%
Davis, Bronze, Barnes Mfg. Co...60%
Champion Safety.....70&5%
Security.....70%

Sash Weights—

Ic. ₩ ℔, Carload lots.....$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—

Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
Woodrough & McParlin Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.25@25&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill, 4 @45&5%
Richardson X Cuts..... ...45&10%
Richardson Hand-saws....25@2 &5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—

Griffin's complete'.....40&10@50%
Griffin's Hack Saw and Blades, 40&10@50%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—

Star Hack.....25%
White Vermont..₩ gro. $9.00@$9.50
Red, Polished and Varnished..₩ doz.. $1.50 25%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 5@55&10%
Common Lever ₩ doz., $2.00, 40@50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5. $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leech's No. 0, $8.00; No. 1, $15.00, 33⅓@35%
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15. $5.50 25@25&10%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme,...₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—

Union Platform Plain...$3.00@$3.10
Union Platform Striped..$2.15@$3.25
Chatillon's Grocers' Trip Scales..60%
Chatillon's Eureka.....25%
Chatillon's Favorite.....40%
Family, Turnbull's.....30@30&10%
Riehle Bros.' Platform...40@40&10%
Brittan Graham & Mathes 40%
"The Standard" Pittsburg.....50%

Scale Beams—

Scale Beams, List Jan. 12, '92..50& 10@50&10&10%
Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz., $2.00
Box, 2 Handle...₩ doz., $3.00@$4.00
Defiance Box & Ship.....20&10%
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60%
Perfection Screens 60%
Extension .....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—

Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30 & 35%
Standard Oil..... .....35& 40%

Screw Drivers—

C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5 @5&10&10
Disston's Pat. Excelsior.....5&5&5%
Buck Bros.....70%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles.60&10%
No. 86.....70&5&10%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@5&10&5%
Nos. 20, 40 and 60 50&10@5&10&5%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat..... ....70%
N. E. Specialty Co.'s.....50%
Electric Spiral 50%
Gay & Parsons.....35%
Champion.....40@40&10%
Clark's Pat.....33⅓@40%
Ellrich's Socket and Ratchet.40&10%
Howard-Allard ....50&10@60&10&5%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12.45%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
P. S. & W 75%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 37½&5% "Handy" Ratchet.....25% Champion.....33⅓%
Copeland .....25@25&10%
Brace.....2.&10%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—

WOOD SCREWS—List, Dec. 20, '95.
Bright Flat Head Iron.....85%
Br't R'd & Oval Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head.....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80&10%
R'd and Ovel Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....60%
Round Head Copper.....60%
Rogers Drive Screws.....85%

MACHINE—

Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron.....70%
Bench, Wood, Beech.....₩ doz $2.25
Hand, Wood.....25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1880. 75&2½%
Coach list Jan. 30, '95.....75&10&10%
Bed .....25% & 20

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Hand Rail, Sargent's, 70&10@70&10&10%
Hand Rail, H. & B. Mfg. Co. 75@75&5%
Hand Rail Am. Screw Co. 70%
Jack Screws, Millers Falls, Roller Bearing 5 & 10%
Jack Screws, Millers Falls, without Roller Bearing 50&10&10%
Jack Screws, P. S. & W. 85%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns' 40&10%
Piano Stool 60&10%
Chair 60&10%

Scroll Saws—

C. E. Jennings & Co. 25%
Lester, complete, $10.00 25%
Rogers, complete, $4.00 25%
Barnes' No. 1, $8; No. 6, $10; No. 7, $15 25%
Barnes Scroll Saw Blades 35%

Scythes—

Grain 50@50&10%
Grass 50&10@60%

Seeders—

Enterprise Raisin 25%

Shears—

Ætna, Steel Japanned 30&30%
Ætna, Steel Nickeled 70&30%
Davenport Cutlery Co.'s 60@60&10
American (Cast) Iron 75&10@50&5%
Barnard's Lamp Trim'rs, ₱ doz. $3.75
Tinners' 20&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears 33⅓%
Clauss' Brand, Nickel 60%
Japanned 70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap 75%
Nickel 65%
Campbell Cutlery Co.'s Scissors List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1887 50&10@60&5%
R. & E., list August 15, 1895 60%
Corbin's list 60&10&2%
Patent Roller 60&10&2%
Patent Roller, Hatfield's 75%
Russell's Anti-Friction, list Dec. 18, 1885 60&2%
Moore's Anti-Friction 50%
Hatfield Sheaves 30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s 60%
Sargent's list 70%
Reading list 65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Boss, from jobbers $3.15@$3.40
Bryden's Frog Pressure $4.00
Perkins Steel Side Weight Hind $3.15@$3.40
Perkins Improved Snow ₱ lb 4c

MULE—

Add 5c ₱ keg to above prices.

OX, WROUGHT—

Ton lots ₱ lb 9c
1000 lb lots ₱ lb 9½c
500 lb lots ₱ lb 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c. 30%
Griffith's Black Iron 50&10
Griffith's C. S. 60@60&10%
Griffith's Solid C. S. R. R. Goods 30%
Old Colony (Sanford Fork & Tool Co) 35%
St. Louis Shovel Co. 30@30&7½%
Hussey, Binns & Co. 15@25%
Snow, Long Handle, ₱ doz. $6.25 25&30%
Snow, D Handle, ₱ doz., $7.25 25&30%
Hubbard & Co. 30&10%
Payne, Pettebone & Son, list Jan. 1886 30%
Rowland's Black Iron 60&5%
Rowland's Steel 60&10&5%

Shovels and Tongs—

Iron Head 60&10@60&10&5%
Brass Head 60&10&10%

Sifters, Flour—

Hunters' Genuine, ₱ gross, $13@13.50

Slaw Cutters—

Enterprise 35%

Slicers—

Enterprise Vegetable 25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co.) 65%
Fitch's (Bristol) 50%
Hotchkiss 10%
Andrews 50%
Sargent's Patent Guarded, 70&10&10@70&10&10&10%
Sargent's Covered Spring 60&10%
Sargent's Open Spring 70%
German, new list 40&10%
Shaw Patent Slide Lock 60%
Cockeye 70&10%
Covert Mfg. Co. 45&2@50%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps } 40&5%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps

Spoke Shaves—

Iron 45%
Wood 30%
Bailey's (Stanley R. & L. Co.) 50&10%
Seymour Smith & Sons, Iron 30%
Millers Falls 25%
Wm. Johnson's:
Wood, Best 30%
Wood, 2nd Quality 33⅓%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@80%
Solid Table and Tea, Cen. Stamp. Co.'s list 70&2½%
Buffalo S. S. & Co. 33⅓&2%
B. B. Noyes Meat Forks 50&10@50%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro. 40&15%
Wm. Rogers Mfg. Co. 40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros. 40&15&5%
Holmes & Edwards Silver Co. 40&15&5%
L. Boardman & Son 50&12½%

MISCELLANEOUS—

German Silver 50&10%
German Silver, Hall & Elton 50& 5% cash
German Silver, Rogers 60&6%
Wm. Rogers Mfg. Co., Rogers Silver Metal 50&10&5%
Rogers 40&10&5%
Nickel Silver 50&5@50&10&5% cash
Britannia 60&10%
Boardman's Nickel Silver 60&7½&5%
Boardman's Britannia Spoons, case lots 60&10% cash

Springs—

See Door Springs.

Squares—

Steel and Iron
Nickel-Plated } 75&10@10%
Try Square and T Bevels 60&10&10%
Disston Try Square and T Bevels. 50@50&10%
Winterbottom's Try Mitre 60&10%
Montgomery's Try Mitre $3.75 net
Starrett's Micrometer Caliper Squares 25%
Avery's Flush Bevel Squares 40%
Avery's Bevel Protractor 50%
Brown & Sharpe 25%

Staples—

Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples 30&25&10%
Extra Heavy 30%
Hooks and Staples 30&25&10%
Extra Heavy 30%
Hasps and Staples 30&25&10%
Extra Heavy 30%
Staples on Plates 30&25&10%
Wagon Bow Staples 30&25&10%
Square Crown Carpet—papers 75%
Square Crown Carpet—bulk 75&10%
Barrel 75&10%
Box and Casket 75&10%
Barbed Blind—¼ inch and larger ₱ lb 7c@7½c
Barbed Blind—¾ inch, ₱ lb. 8c@8½c
Round Wire Round Crown 66⅔%
Barbed Bed Spring Staples 75&10%
Chisel-Pointed Barbed 75&10%
Poultry Netting 30&10%
Norway Iron Clinch 30&10%

Stocks and Dies—

Blacksmith's:
Waterford Goods 3%
Butterfield's Goods 35%
Lightning Screw Plate 25@30%
Reece's New Screw Plates 25@30%
Reversible Ratchet 35%
Gardner 25%
Wells Bros. & Co. 25%
Schlenker's Die Bolt Cutter 15%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stoves.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

Papered, Dozened and M's. Straight Weights. Full Half and Quarter Weights, 2% for cash.

Star weights (**). 5% extra; Standard weights (***). 10% and 5% extra, and special weights (***) (tinned and coppered carpet tacks only), 10. and 10% extra.

Carpet Tacks:
American, blued 30&3⅓%
America, tin and cop'd. 35& 3⅓%
Steel, blued and bright 35& 5%
Steel, tinned and cop'd 38 &33⅓%
Swedes Iron, S.S, bl'd 35& 3½&10%
Swedes Iron, S.S., tin'd 38 &33⅓&10%
Swedes, Iron, Lanc., blued 37½%
Swedes, Iron, Lanc., tinned 37½%
American, Iron, D.m 35&5.&5%
Swedes Iron Tacks:
S. S., blued 37½%
S. S., tinned 37½%
Lanc., blued 38 &25%
Lanc., tinned 38 &20%
Upholsterers' Tacks:
S. S. 90%
Lanc. 85& 5%
Gimp Tacks:
S. S., blued 9 &15%
S. S., tinned 9 &10%
Lanc., blued 30 &30%
Lanc., tinned 35&30%
Trimmers' Tacks:
Lanc. 39&20%
S. S. 35%
Looking Glass Tacks 70%
Leathered 6 %
Lace Tacks 70%
Blued and tinned 38 &35%
Basket Tacks 62½%
Berry Box Tacks 62½%
Trunk Tacks:
S. S. 66⅔%
Lanc. 62½%
Miners' Tacks, S. S. 66⅔%
Bill Posters' and Railroad Tacks:
S. S. 66⅔%
Lanc. 62½%
Brush Tacks, bulk 37½& %
M's 75&15%
S. S. 55%
Lanc. 5 %
Hungarian Nails 30&2 %
Common and Patent Brads 30%
Finishing Nails 37½%
Trunk and Clout Nails 37½%
Basket Nails 1 %
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 3⅓&2% cash.
F. H. Cobblers Nails:
4½-8in., and shorter, ₱ 100 lb $17.60
⅝ in. and longer, ₱ 100 lb $17.60
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No 18 & 19.	17 & heavier.
2-8&2½-8 in.	$64.00	$44.00
3-8&3½-8 in.	55.50	38.00
4-8& longer,	44.50	36.10

MISCELLANEOUS—

Double Point 35&10@35&10&5%
Wire Carpet Nails 30&10%
Bill Nye Brad Box $4.00
Bonnie Blue ₱ box $1.40
Claw Handle Carpet ₱ gr $4.00
Home Tacks, No. 50, ₱ case (12 cartons), $36.00; No. 100, ₱ case (12 cartons), $72.00. 50& 2%.
Home Nails, No. 200, ₱ case (12 cartons), $30.00; No. 400, ₱ case (12 cartons), $60.00. 5 & 2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks 66⅔&33⅓&2%
Miniature Keg Tacks 66⅔&33⅓&2%
Upholsterers' Nails 50&10%

Tack Pullers—

Columbia, No. 1, per doz., net $1
" " 2, " " 1.50

Tapes, Measuring—

Lufkin's Steel and metallic 40%

Taps—

American Screw Co.
Machine Screw 60%
Hand and Machine 50&10%
Pipe 30%
Blacksmiths' Taper 50&10%

Tin, Perforated—

Harrington & King Perforating Co.: 10 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1.20
6	$6.95	$1.15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.) 20&2%
Snips, J. Mallinson & Co. 33⅓%
Snips—"Clauss" 30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897 70&10@70&25%

Trammel Points—

Cook's 25%
Stanley's 30&10%
Tower & Lyon 33⅓%
Jennings "Eureka" 25%
Sargent's 70&10@70&10&10%
Backus and Union 40%
Prentiss 30@25%

Tracks, &c.—

F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3.50
Comb. Car., Double Steel T. $3.50
Single rail Car, Single Steel T. $3.50
Rev. Car., Wood Track $3.25
Comb., Car., Wood Track $3.25
New Myers Iron Rod Car $2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps, ₱ ft. .09
Single Rail Steel Track with clamps, ₱ ft. .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each $1.50
Walker Fork, each $1.15
Sprouts Shear Fork, each $1.40
Double Grapple Fork, each $3.25
Faultless Steel Frame K. P. Pulley, Fig. 485, ₱ doz. $2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₱ doz. $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₱ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 8, ₱ doz. $1.65
Steel Frame Pulley with Iron Sheave, Fig. 555, ₱ doz. $1.50
Reed Wood Frame Pulley with Hook, Fig. 434, ₱ doz. $2.25
Floor Pulley, Wood Sheave, Fig. 486, ₱ doz $2.00
Floor Hooks, ¾ in ₱ doz. .65
Hanging Hooks for Double Steel Track, ₱ doz. .60
Hanging Hooks for Single Steel Track, ₱ doz. .60
Hanging Hooks for Wood Track, 10 in. ₱ doz. .45
Hanging Hooks for Wood Track, 14 in, ₱ doz. .55
Wrought Rafter Brackets, ₱ doz .45
Malleable Rafter Brackets, ₱ doz .45
Rope Hitch, ₱ doz $1.75

Transom Lifters—

Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—

GAME—

Enterprise Mole 15%
Oneida Pattern 75&5@75&10%
Newhouse 40&10@40&10%
Hawley & Norton 70&5%
Victor 70&10&5%
All Steel 75%
Star 50&10%
Blake's Patent 50&10@50%

MOUSE AND RAT—

Mouse, Wood, Choker, ₱ doz hole 30@10¢
S.T. ₱ doz $6.00, 20%
Mouse, Round Wire, ₱ doz $1.50, 10%
Mouse, Cage, Wire, ₱ doz $2.50, 10%
Mouse, Catch-'em-alive ₱ dz $2.50, 15%
Mouse, Bonanza ₱ doz 90@$1.00
Mouse, Ideal ₱ gr $9.00
Mouse, Delusion 33⅓%
Rat Slayer ₱ gr $9.50
Rat, Keystone ₱ gr $10.00
Rat, Exterminator ₱ gr $12.00
Rat, Decoy ₱ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₱ dos. 65c.; in full cases 60c
Improved Rat ₱ gross, $12.50
New Rat ₱ gross, $12.50
Schuyler:
Mouse, ₱ gross $18.00 50%
Rat ₱ gross $15.00
Household ₱ gr $10.00
Erie Rat 50%
Smith & Egge Mfg. Co:
Superior Rat Trap, ₱ doz $15.00
Yankee Rat Trap, ₱ d z $ 1.00
Yankee Mouse Trap, ₱ do $5.50

FLY—

Balloon, ₱ doz $1.50 ₱ gr. $13.50
Electric Rod ₱ gr. $16.50
Globe ₱ gr. $13.50
Harper ₱ gr. $16.50

Trowels—

Reed's Brick and Plastering 15%
Disston's Brick and Plastering 35@35&10%
Peace's Plastering 20@20&5%
W. & McP. Plastering 25%
Richardson 25%
Rose's Brick 15@30%
Brade's Brick 25@33⅓%
Sargent's Garden, No. 1 70%
Sargent's Garden, No. 15 50%

Vises—

Solid Box 50&10@30%

PARALLEL—

Fisher & Norris Double Screw 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand 33⅓%
Stephens' 20@10%
Holland's 40@40&10%
Parker's 20@25%
Wilson's 55%
Alligator 60%
Howard's 40%
Massey's Quick Ation 20@20%
Bonney's 50@50&10%
Millers Falls 40@40&10%
Trenton 40&5@40&10%
Merrill's 15@30%
Simpson's Adjustable 40%
Moore's 30%
Little Giant Bench 35&10&5%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00 40&10%
Stearn's 40%

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Stearn's Silent Saw Vises....20&10%

Wade—

See Ammunition.

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50@$12.00

American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving 4½ ft., $ 8.00; 5 ft., $9.00; 5½ ft., $.2.00; 6 ft., $14.00; 6½ ft., $27. 0; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
Eureka, Two-thirds Whalebone, 5½ ft., $15.00; 6 ft., $ 6.50; 6½ f ., $18.00; 7 ft., $2 .00.
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00 5 f ., $8.50; 5½ ft., $9.50; 6 ft., $ 0.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $5.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors .....6 ft., $6.00
Americus, 98 Pen Whip, 6 ft., $6.00
Gents' Light Driving, No. 111, 6 ft.....$8.00
Gents' Light Driving, No. 106, 6 ft.....$5.00
Hand-Made Stocked Java, No. 108.....5½ ft., $3.75; 6 ft., $4.00
Team Whips....₩ doz $2 0 @$7.5
Hardware Assortment 10 ; American, 75 Whips for.....$50.00

Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—

Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@ 8%
Cop'd, Nos. 0 to 18, 75& @7 &10&5%
Galv., Nos. 0 to 18..... 70&10@7 %
Tin'd, Tinned list Nos. 0 to 18, 75 &5@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb 4½c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass.....55%
Brass.....30@30&5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30, ₩ lb.....6 @70c
Tate's Wire Picture Cord Braided and Twisted.....85@10&10%
Picture Wire.....New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—

Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.3 @$1.40
Galvanized Wire Netting....80&10 @8 &25%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....80@55

Wire Rope—

List.
Iron.....20&2½%
Iron, Galvanized.....20&2½%
Cast-steel.....20&2½%

Wire Rope Clips—

Crosby.....35%

Wrenches—

Acme:
Bright.....60@60&5%
Nickel.....40&5@50%
Heavy.....50%
Alligator.....60&10%
Hercules.....70%
American Adjustable.....4 @40&10%
Armstrong's.....40%
Baxter's Adjustable "S" 70@70&10%
Baxter's Diagonal.....60@60&10%
Coes' Genuine.....50&7 @50&10%
Coes' "Mechanics'".....50&10&2@80%
Girard Standard.....65&10@70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....80&10%
Cylinder Gas Pipe.....45&5%
No. 8 Pipe.....55%
Aiken's Pocket (Bright) $2 50@3.80 60%
Boardman's.....3 ½%
Always Ready.....3 ½&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%

Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓&
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 189 .25
Colby Wringer Co., list May 1, 1894.25
Lovell Mfg. Co., list July 2, 1 91...3
Peerless Mfg. Co., list Feb., 1892...25
National Wringer & Mfg. Co., list Jan. 1, 1895..... ₩
NOTE.—On lots of 1 dozen a discount of 10, is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in bbls. ₩ gal. 42c
Linseed, City, Boiled, " ₩ gal. 45c
Out of Town on Spot.....₩ gal. 40c
Calcutta, Raw, in bbls....₩ gal. 47c
Lard, Prime City.....₩ gal. 80@ 1
Western, Prime.....59 51
Extra, No. 1.....4 @4
No. 1.....37@3
No. 2.....3 @3

Paints and Colors—

Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $15.00@$18.00
Barytes, Domestic Floated, ₩ ton $2 00@$2.8.00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ lb 4½@ ¾c
White Lead, American, in Oil, ₩ lb.....5½@ ¼c
White Lead, English, in Oil, ₩ lb 5½@6¼c
Litharge, American Powdered, ₩ lb..... 4½@5½c
Litharge, English Flake, ₩ lb 7¼@8 c
Litharge, Glassmakers', ₩ lb 4½@5½c
Zinc, American, Extra Dry, ₩ lb 3¾@4½c

Putty—

Putty in Bulk.....$1.45@$1.7
Putty in Bladders.....$1.65@$2.00
Putty in Tins.....$2 00@$2.50

Spirits Turpentine—

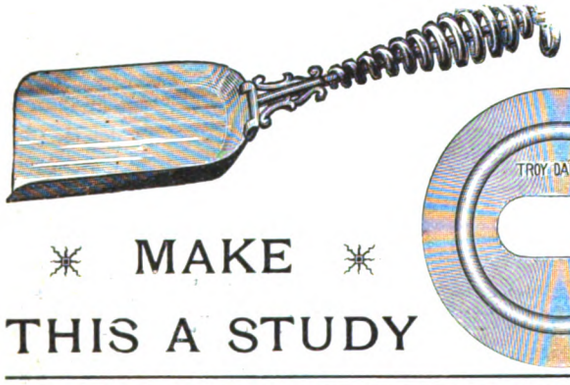
Spirits Turpentine, ₩ gal..28@28½c

Dry Colors

Blue, Chinese	₩ lb	35 @40	c
Blue, Prussian	₩ lb	30 @35	c
Blue, Ultramarine	₩ lb	7 @35	c
Brown, Sienna, American, burnt	₩ lb	1½@ 1½	c
Brown, Sienna, American, raw	₩ lb	1½@ 1½	c
Brown, Umber, American, burnt	₩ lb	1½@ 1½	c
Brown, Umber, American, raw	₩ lb	1½@ 1½	c
Brown, Vandyke, German	₩ lb	2½@ 5½	c
Brown, Vandyke, American	₩ lb	1½@ 2½	c
Green, Chrome, Common	₩ lb	5 @ 6	c
Green, Paris	₩ lb	20 @3	c
India Red, Standard, American	₩ lb	2 @ 3	c
Venetian Red, English Prime	₩ lb	$1.75@$1 9	
Yellow, Chrome	₩ lb	16 @3	c
Yellow, Ocher, Fre'ch	₩ lb	1 @ 1½	

Colors in Oil—

Black Coach Japan	₩ lb	..18½@20	c
Black Coach Japan, in Oil	₩ lb	12 @13	c
Black Drop	₩ lb	7½@10	c
Black Lampblack, prime	₩ lb	27 @33	c
Black Lampblack, medium	₩ lb	15 @2	c
Black Lampblack, 3d quality	₩ lb	18 @19	
Black, Lampblack, low grade	₩ lb	6½@10	6
Blue, Chinese	₩ lb	35 @40	c
Blue, Prussian	₩ lb	20 @40	c
Blue, Ultramarine	₩ lb	13 @1	c
Brown, sienna, bur't	₩ lb	7 @10	c
Brown, Sienna, raw	₩ lb	7 @10	c
Brown, Umber, bur't	₩ lb	7 @10	c
Brown, Umber raw	₩ lb	7 @10	c
Brown, Vandyke	₩ lb	7 @11	c
Green, Chrome	₩ lb	8 @14	c
Green, Paris	₩ lb	16 @18½	c
Red, Indian	₩ lb	12 @15	c
Red, Venetian	₩ lb	4½@ 8	c
Yellow, Chrome	₩ lb	12 @18	c
Yellow, Ocher, Fre'ch	₩ lb	4½	c



MAKE THIS A STUDY

ALASKA
STOVE HARDWARE
PATENTEES AND SOLE MANUFACTURERS,
TROY NICKEL WORKS, Troy, N. Y.

AN IDEA

That will increase your business. A thoroughly practical plan for making your store popular. Popularity brings prosperity.

WANT IT?

Arthur Boughton Chivers,
Advertising Writer,
257 Broadway, New York.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.
10,000 in use Send for Book of Discount on these, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

GLASS CUTTERS

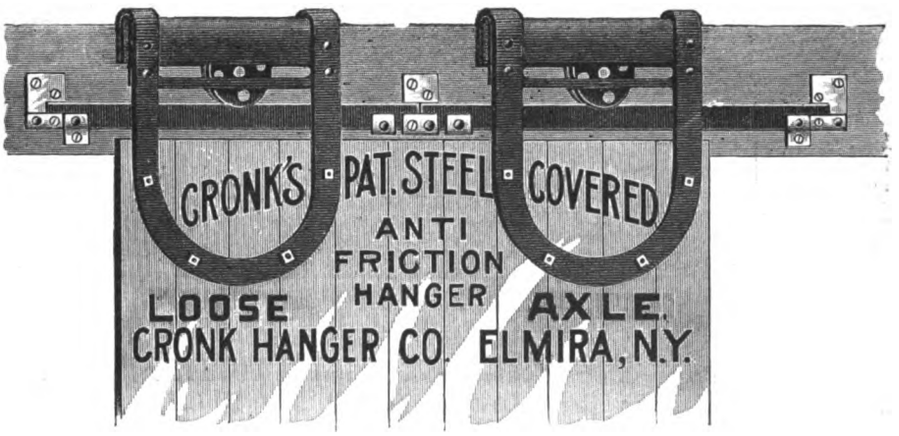


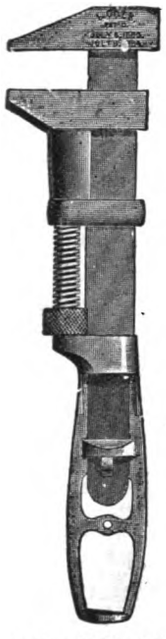
We want every hardwareman to know that our specialty is the manufacture of . . . Rolling Steel Wheel Glass Cutters and that we can make it worth money to them to handle our goods. Correspondence solicited.
W. L. BARRETT, BRISTOL, CONN., U. S. A.

TWO PATENTS FOR SALE.

Two Valuable Patents. One the Gokey Grinding and Calk Sharpening Machine. Money in this. Also three States for the Woodward Combination Carriage and Cradle. This also is No. 1. This is a great chance for smart man. Write for description and then hustle. Not often such a chance as the above.
E. A. WORTHEN,
Burlington, Vt.

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L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

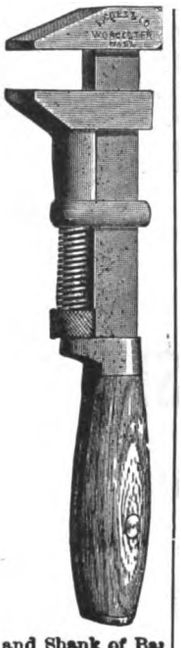
WORCESTER, MASS.

Established in 1839.

Registered March 31, 1874.

Patented July 6, 1880.

Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

EVERY FAMILY WANTS ONE!

THE "FAMILY COBBLER"



Sample Outfit sent on receipt of **$2.00.**

A Household Necessity.

Contains the following articles: Iron Clinching Stand, with three reversible feet, Shoe Hammer, Shoe Knife, Pegging Awl and Handle, Large Bottle of Leather Cement, Large Bottle of Rubber Cement, Four Pairs of Heel Plates, Package of Pegs, Package of Heel Nails, Package of Clinching Nails for Men's and Boy's Work, Package of Clinching Nails for Women's and Children's work, and

THREE PAIRS OF HALF SOLES.

Securely Packed in wooden box with hinged lid. Weight 17 lbs.

No family can afford to be without one of these Outfits. Will pay for itself many times over each year.

For Sale By All Hardware and General Stores.

The Trade Supplied By Hardware Jobbers Generally,

or by BRANDENBURG & CO.,

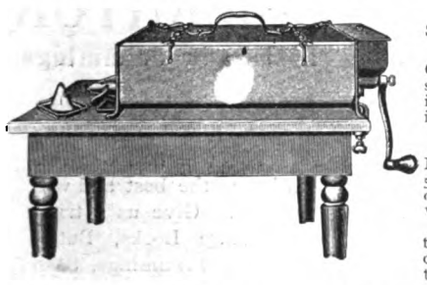
Sole Proprietors of the "Family Cobbler," the "Family Harness mender," the "Bonanza" Half Soles, etc.

CHICAGO, ST. LOUIS, KANSAS CITY, OMAHA, SIOUX CITY.

Agents Wanted. Send For Catalogue.

Sample Each, Cobbler and Harness Mender for $3.50.

Polar Star Instant Ice Cream Freezer.



A Marvel to all who behold it in operation.

Size, 21x7x7. **Retail Price $3.75.** Capacity unlimited.

It makes perfectly smooth ice cream with all milk. Cream added makes it somewhat richer, but not smoother. It makes very superior, smooth water ices, frozen fruits, frozen custards, sherbets, etc., and is a very simple, convenient and economical freezer.

No Gearing, cogs or fixings to get out of order.

Noiseless in operation. A child can operate it. Makes a plate of ice cream in 30 seconds or a quart in 5 minutes. All other quick freezers merely SCRAPE it off a tin surface of some kind, but do not BEAT IT or WORK IT.

Our Freezer **Mixes, Mashes, Pulls, Grinds** and **Whips** the cream more in **30 seconds** than any paddle freezer does in **30 minutes.** Dealers will do well to investigate this promptly. Correspondence solicited.

Manufactured solely by **Polar Star Freezer Co.,**

Send for particulars and discount. **235 LEVANT ST., PHILADELPHIA, PA.**

The Neatest, Cheapest and Most Practical

KIT OF TOOLS

. . FOR . .

Home Repairing is the



Home Repairing Outfit No. 1.

IT IS THE ONLY COMPLETE OUTFIT ON THE MARKET.

Our Circular tells you why. Write for it and prices.

THE ROOT BROS. CO.,

ORIGINATORS AND MANUFACTURERS,

PLYMOUTH, OHIO.



P. . . STUB'S FILES.
TOOLS.
STEEL.
Hubert's French EMERY PAPER.
KEARNEY & FOOT FILES.
ADDIS'S Carving Tools.
Chesterman's TAPES AND RULES.
TWIST DRILLS, TAPS, DIES, Machine Screws.

CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST. N.Y. NEW YORK.

CABLE ADDRESS "BUNDLET NEW YORK."

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Perforated Filter Press Plates.

THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

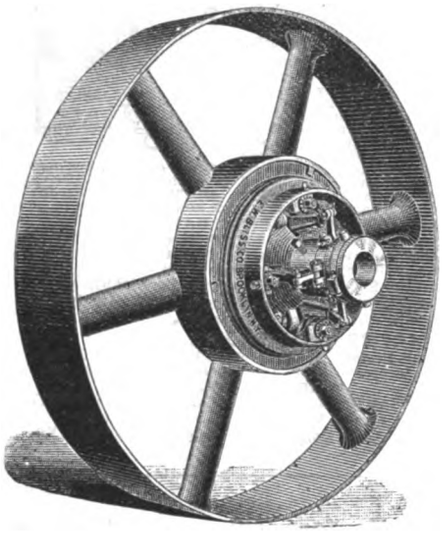
PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS. BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, 222 to 240 No. Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.

CHICAGO OFFICE, 96 W WASHINGTON ST. E. W. BLISS CO., 18 ADAMS ST., BROOKLYN, N.Y.



PRESSES, DIES AND SPECIAL MACHINERY.

FOR

ALL KINDS OF

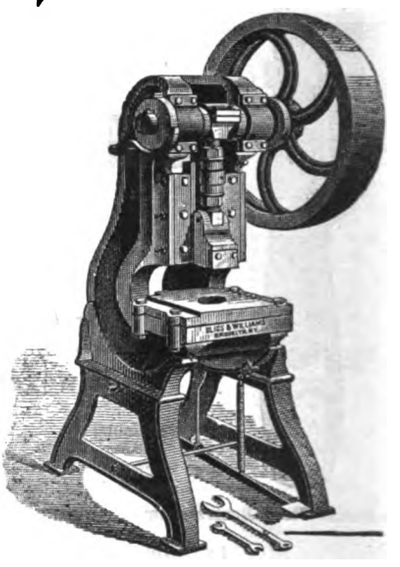
SHEET METAL WORK

MAKERS OF THE

BLISS PATENT TOGGLE DRAWING PRESSES.

A NEW FRICTION CLUTCH.

SEND FOR CATALOGUE.



—OWNERS OF—

THE STILES & PARKER PRESS CO.



The Cook's Right Arm is what Mrs. S. T. Rorer, principal of Philadelphia Cooking School, calls the *New Perfection Chopper*

"Kitchen Knacks" tells what it will do and how to do it. Contains recipes. Mailed free.

NORTH BROS. MFG. CO., Philadelphia.



An Automatic Chef that will help you get up the daintiest meals without bother and at trifling cost—

NEW PERFECTION CHOPPER.

"Kitchen Knacks" with recipes by Mrs. S. T. Rorer tells you all about it. A postal brings it to you. NORTH BROS. MFG. CO., Philad'a.

THE New Perfection Cutter

WON'T CHOP WOOD,

But it will chop about everything that requires chopping in the kitchen, and **do it right.** . . . . . .

It is being advertised in leading magazines, etc., as shown above.

Information to be had for the asking.

SOLD BY LEADING JOBBERS Throughout the United States.

MANUFACTURED BY NORTH BROS. MFG. CO., PHILADELPHIA, PA.

New York Agents: JOHN H. GRAHAM & CO., 113 Chambers St.

REFRIGERATOR Locks and Trimmings.

Largest Manufacturers. New and Beautiful Design, Finish, and of the latest pattern. You will find our Refrigerator Hardware the best and will not fail to please all. Give us a trial. We also manufacture Locks, Butts, Knobs, House Door Trimmings, Sash Locks, Sash Pulleys, Castors, Brackets, and

General Builders' Hardware

HIGH GRADE LIGHT GRAY **IRON CASTINGS,** Soft, Smooth and Easily drilled. Patented Articles a specialty. Estimates furnished on application. BRONZE, BRASS, and COMPOSITION CASTINGS, JAPANNING, METAL ART WORK, made at short nofice.

Allentown Hardware Works,

Allentown, Pa.

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HARDWARE BUYERS' DIRECTORY.

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Agricultural Implements.
John H. Graham & Co., New York.
Wyoming Shovel Works, Wyoming, Pa.

Air Clothes Washers.
E. M. Heathman & Co., Hamilton, O.

Animal Pokes.
Richard W. Montross, Galien, Mich.

Annunciators.
Partrick & Carter Co., Philadelphia, Pa.

Anti-Friction Metal.
Theo. Hieatz & Son, St. Louis, Mo.
Magnolia Metal Co., New York.

Anvils
Van Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Alfred Field & Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
Iver Johnson's Arms & Cycle Works, Fitchburg, Mass.
John P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
Union Metallic Cartridge Co., Bridgeport Conn.
Waterbury Brass Co., New York.

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Reading Hardware Co., Reading, Pa.

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Auger Bits.
Bridgeport Gun Implement Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
John H. Graham & Co., New York.
New Departure Bell Co., Bristol, Ct.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
American Clock Co., Boston.
Automatic Cycle Seat Co., Grand Rapids, Mich.
Black Mfg. Co., Erie, Pa.
Bridgeport Gun Implement Co., New York
Buffalo Cycle Co., Buffalo, N. Y.
Buffalo Wheel Co., Buffalo, N. Y.
Central Cycle Mfg. Co., Indianapolis, Ind.
Crawford Mfg. Co., New York and Hagerstown, Md.
Cushman & Denison, New York.
Davis Sewing Machine Co., New York.
Defiance Bicycle Co., Defiance, O.
W. & B. Douglas, Middletown, Conn., (Pneumatic Pumps).
Eclipse Bicycle Co., Elmira, N. Y.
Enterprise Mfg Co., Akron, O.
Fenton Metallic Mfg. Co., Jamestown, N. Y.
John H. Graham & Co. New York.
Geo. Hilsendegen, Detroit, Mich.
Hulbert Bros. & Co., New York.
Hunt Mfg Co, Westboro, Mass.
Indianapolis Chain & Stamping Co. Indianapolis Ind.
Iroquois Cycle Mfg. Co., Buffalo, N. Y.
Iver Johnson's Arms & Cycle Works, Fitchburg, Mass.
Liberty Cycle Co., New York.
John P. Lovell Arms Co., Boston.
H. A. Lozier & Co., Cleveland, O.
John McClave & Son, New York.
Monarch Cycle Mfg. Co., Chicago.
Morgan & Wright, Chicago.
New Departure Bell Co., Bristol, Conn.
New York Belting & Packing Co., Ltd., New York.
Overman Wheel Co., Boston, New York, Detroit, Denver, San Francisco, Los Angeles, Portland.
Pope Mfg. Co., Boston,
Quincy Cycle Co., Quincy, Mass.
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rochester Cycle Co., Rochester, N. Y.
Rouse, Hazard & Co., Peoria, Ill.
Sager Mfg. Co., Rochester, N. Y.
W. G. Schaak, Buffalo, N. Y.
A. M. Scheffey & Co., New York.
J. R. Schuyler, Bloomsburg Pa.
Sharp & Prentiss, Buffalo, N.Y.
Sherman Cycle Co., Chicago.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Spaulding & Pepper Co., Chicopee Falls, Mass.
E. C. Stearns & Co., Syracuse, N.Y.
Chas. J. Sterbbins, New York.
Supplee Hardware Co., Philadelphia.
Ralph Temple Cycle Co., Chicago.
Tinkham Cycle Co., New York.
Trenton Watch Co., Trenton, N.J.
Union Nut & Bolt Co., New York.
United States Mfg. Co., Fond du Lac, Wis.
Western Wheel Works, New York and Chicago.
Yost Mfg Co., Toledo Ohio.
Zenith Cycle Co., Binghamton, N. Y.

Bicycle Step Ladders.
Bicycle Step Ladder Co. Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blind Hinges.
Clark Mfg. Co., Buffalo, N. Y.

Blocks, Tackle.
See Tackle Blocks.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

Brass, Manufacturers.
Waterbury Brass Co., New York

Brass, Perforated.
Harrington & King Perforating Co., Chicago.

Bridges, etc.
Berlin Iron Bridge Co., East Berlin, Conn.

Buffing Wheels
Divine Bros., Utica, N. Y.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Calipers.
Darling, Brown & Sharpe, Providence, R. I.

Carpet Stretchers.
Richard W. Montross, Galien, Mich.

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich.; New York.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

Cement.
A. Major Cement Co., New York.
New York Belting & Packing Co., Ltd., New York.

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Clay Screens.
Harrington & King Perforating Co., Chicago.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clock Springs.
Wallace Barnes, Bristol, Conn.

Coal Screens.
Edward Darby & Sons, Phila., Pa.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.
Meriden Malleable Iron Co., Meriden, Conn.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Derby Razor Co., New York and Derby, Conn.
Alfred Field & Co., New York.
Goodell Co., Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
J. Wiss & Sons, Newark, N. J.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Speidel & Roeper, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham & Co., New York.
J. Jones & Son, New York.
Partrick & Carter Co., Philadelphia Pa.
Stanley & Patterson, New York
Union Electric Co., Cleveland, O.
Western Electric Co., Chicago and New York.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.
Sterling Emery Wheel Mfg. Co. Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York.

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.
C. Hanika & Sons, Muncie, Ind.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Folding Plant Stands.
M. D. Jones & Co., Boston.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gasoline Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.
Schneider & Trenkamp Co., Cleveland, Ohio.

Gate Hinges, Latches, etc.
Wrightsville Hardware Co., Wrightsville, Pa.

Gears.
T. F. Welch & Co., Boston.

Glass Cutters.
W. L. Barrett, Bristol, Conn.

Glue.
Baeder, Adamson & Co., N. Y, Phila., Boston and Chicago.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland,

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammocks.
Bruce R. Ware & Co., Boston.

Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.

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Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.
E. C. Stearns & Co., Syracuse, N.Y.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hardware Dealers, Agents, Etc.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Supplee Hardware Co., Philadelphia.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Diamond Cutlery Co., New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co., Hamilton, O.
T. W. Houchin, New York.
Klages & Co., New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
E. C. Stearns & Co., Syracuse, N.Y.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Clark Mfg. Co., Buffalo, N. Y.
C. Hanika & Sons, Muncie, Ind.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Nozzles.
Allentown Hardware Works, Allentown, Pa.
American Ball Nozzle Co., New York, San Francisco.

Hose Reels.
Toledo Metal Wheel Co., Toledo, Ohio.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Diamond Cutlery Co., New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lasts, Iron.
Brandenburg & Co., Chicago.
Root Bros. Co., Plymouth, O.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.

Lemon Squeezers.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co, Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Athol Machine Co., Athol, Mass.
Miner & Peck Mfg. Co., New Haven, Ct.
Scranton & Co., New Haven, Conn.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
C. Hanika & Sons, Muncie, Ind.

Oilers.
Cushman & Denison, New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
Samuel I. Goodall Co., Philadelphia.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Leavett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
C. Hanika & Sons, Muncie, Ind.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.
Edward Darby & Sons, Philadelphia.

Rakes.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerators.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
Northern Refrigerator Co., Grand Rapids, Mich.

Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Repair Outfits.
Brandenburg & Co., Chicago.
Root Bros. Co., Plymouth, O.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
William N. Merriam, Boston.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Dar'ing, Brown & Sharpe Providence, R. I.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Balances.
Gardner Sash Balance Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.
Bruce R. Ware & Co., Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Millers Falls Co., New York.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Gilfillan Scale Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
C. Hanika & Sons, Muncie, Ind.

Screw Cutting Tools.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.

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Shade Lines.
Samson Cordage Works, Boston.

Shaft Coupling.
C. U. Bradley, Jr., Syracuse, N. Y.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Boxes.
C. P. Moore, Ravenswood, W. Va.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Klages & Co., New York.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.
Wyoming Shovel Works, Wyoming, Pa.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Snow Shovels.
A. J. Phillips Co., Fenton Mich.

Solder.
Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.
Oster Mfg. Co., Cleveland, O.

Stoves.
Schneider & Trenkamp Co., Cleveland, Ohio.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks
Cleveland Block Co., Cleveland, O.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

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Holroyd & Co., Waterford, N. Y.

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Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
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Coes Wrench Co., Worcester, Mass.
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L. S. Starrett, Athol, Mass.

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Gilbert & Bennett Mfg. Co., New York and Chicago.
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John Chatillon & Sons, New York.

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Gwinner Mfg. Co., Hamilton, O.

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Edward Darby & Sons, Philadelphia.
C. Hanika & Sons, Muncie, Ind.

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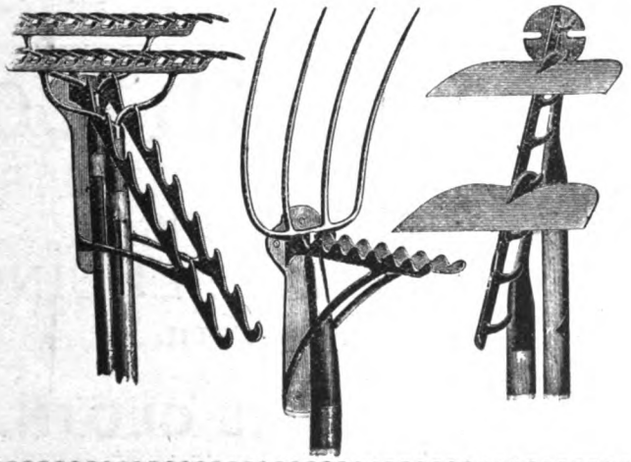
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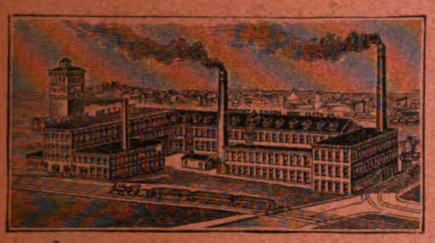
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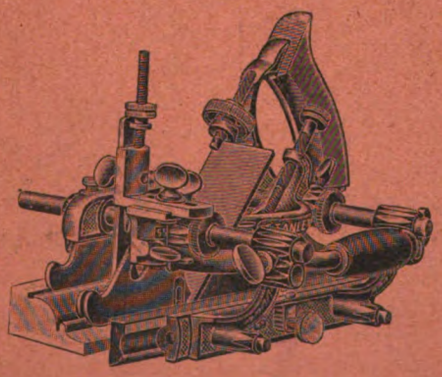
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SCRANTON & CO.,
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THE HELLER MAIL BOXES
MADE IN 5 STYLES.



W. C. HELLER & Co. Montclair, N.J.



A Perfect Stove Polish. Dustless. Odorless. Guaranteed to the Trade.

C. E. JENNINGS & CO.'S HAND SAWS.

These saws are a trifle higher in price, but are being adopted by all Mechanics who use high grade tools.



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STEEL WIRE NAILS.

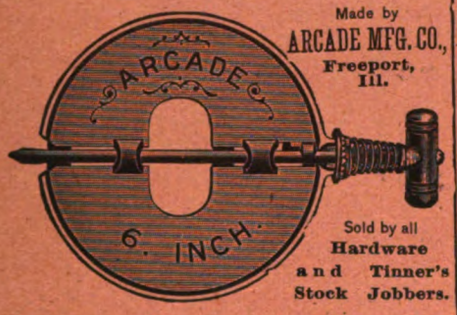
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Plain and Galvanized Wire.

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Wire Straightened and Cut to length.



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Sold by all Hardware and Tinner's Stock Jobbers.



ESTABLISHED 1857.

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Steel Springs of Every Description.

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Cheap, Quick and Certain.

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1875. **COVERT'S.** 1896.

WE are the largest Mfrs. in our line

Get Catalogue and Special Discount for 1896.

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LANE'S
PATENT STEEL BARN
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ANTI-FRICTION.
MOST COMPLETE IN CONSTRUCTION.
MATERIAL THE BEST
NO BREAKAGE.

Ease of Movement. Always in Order.

LANE'S Patent Noiseless Steel Parlor Door Hanger



Hanger is made of steel throughout, including wheel, except interior filling which deadens the sound.

Single Steel Track Instead of Double Wood Rail.

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HAND ELEVATORS,



Dumbwaiters and Hoists.

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Dumb Waiters..... that don't keep you waiting.

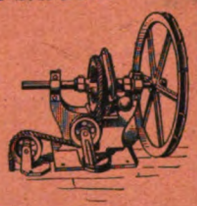
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Self-Retaining

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Elevators,

Cellar Lifts and Speidel's Safety Hoists.

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Buffing Wheels,

ABSOLUTELY UNIFORM QUALITY.

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We make a feature of Spirally Sewed Buffs.

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It is the LEADER.

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Pulls the Cork out of the Bottle.

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ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

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This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

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Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
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Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

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A DOUGLAS SPRAYER.
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Seamless Tubing, All Wrought Forgings, Columbia Pattern Crank Axles, Patent Adjustable Rear Forks.

$100.00 WHEEL FOR $75.00.

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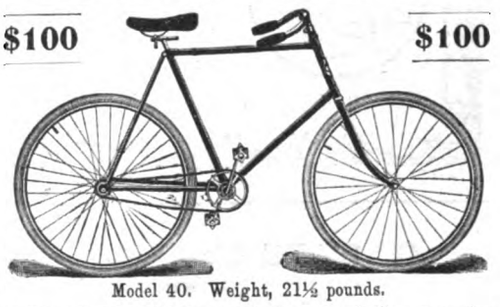
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Leading in Popularity and Improved Construction.
Unequalled—Unapproached.

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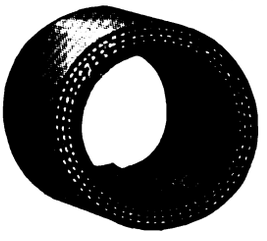
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SURE ...TO PAN OUT.

The Excelsior Roasting and Baking Pan makes money for every dealer who handles it. To show it is to sell it, because its merits speak for themselves.

The **Excelsior Pan** is made of Planished and Plain Steel in seven sizes.

SUITS EVERYONE. WRITE FOR PRICES.

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HALL'S IMPROVED Pipe Wrench



It is Strong as well as Light in Weight.
It is Drop-Forged from Tool Steel.
It will Grip galvanized as well as other pipe.
It will open a malleable fitting without crushing the pipe.
It cannot lock or wedge on the pipe.
It can be sharpened on a grindstone or emery wheel without taking apart.



As a Screw Wrench it has No Equal.

ANY PART OF THIS WRENCH BROKEN WITH FAIR USAGE WILL BE REPLACED WITHOUT CHARGE.

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Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

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Of Every Description Adapted to Mechanical Purposes

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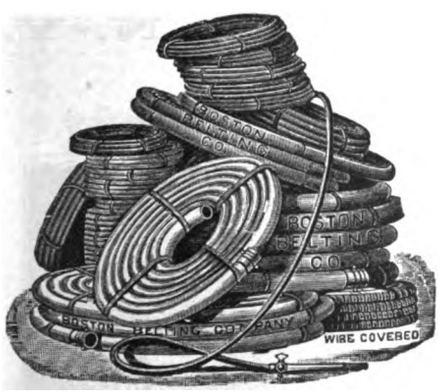
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Large tubing.
Interchangeable parts.
Graceful curves.
Handle bars adjustable.
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Tubular hubs.
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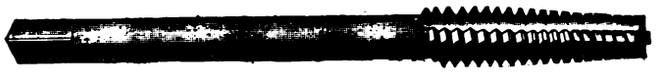
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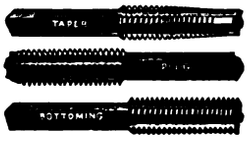
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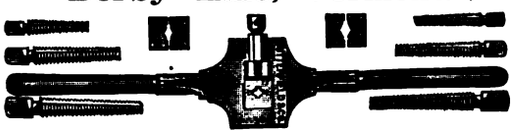
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Taps & Dies.



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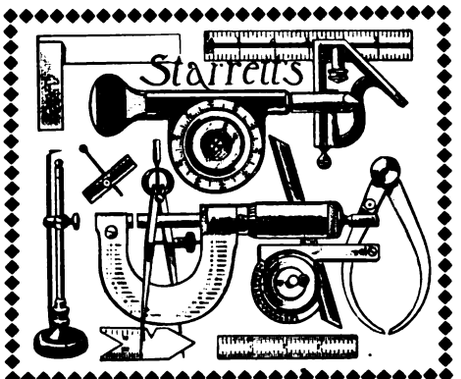
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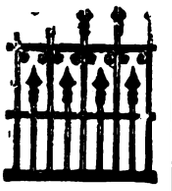
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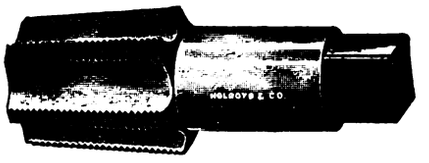
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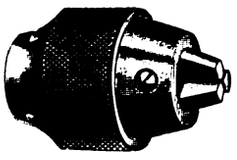
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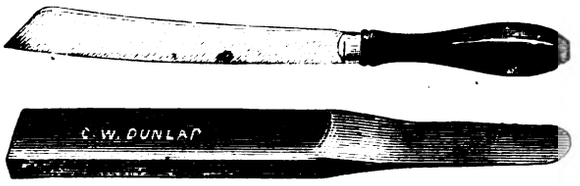
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A constant dropping will wear a rock. Keep dropping your advertisement on the public through

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and they will soon melt under it like rock salt.

Dunlap's Superior Kitchen Hardware.



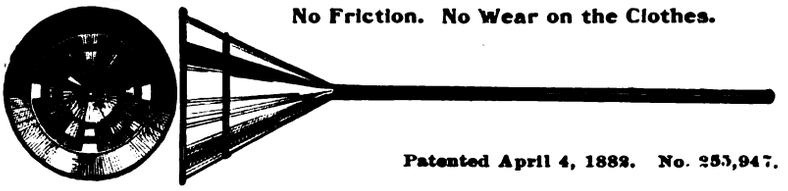


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It is Light and Portable. Lasts a Lifetime.
No Friction. No Wear on the Clothes.

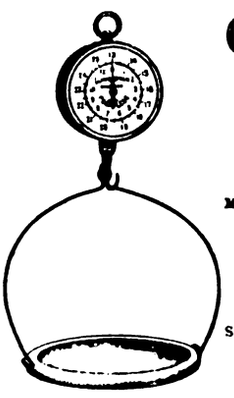


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We guarantee the Washer to be a great saver in time, labor and with no wear or injury to the fabric. The use of the machine is easily learned—a child ten years old can learn to do the washing. It is a rational system of Washing and a Great Labor and Clothes Saver.

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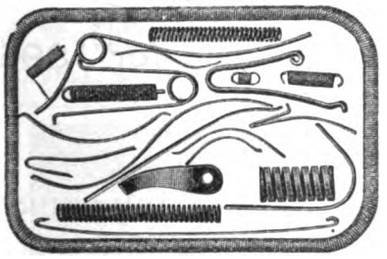
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ONLY ONE QUALITY
The Best.



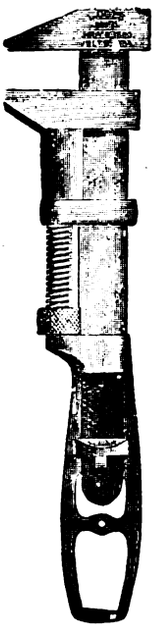
HAND
PANEL and RIP
SAWS
Back, Compass, Butcher,
Pruning and Carpenter
SAWS

Plastering and Brick Trowels.

Send for Descriptive Lists

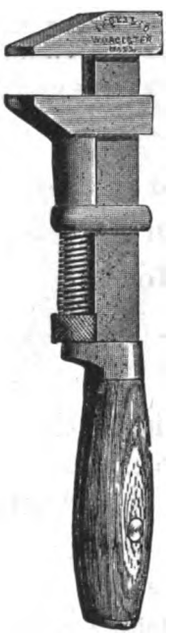
OPERATING
Richardson Bros.,
Wheeler, Madden & Clemson Mfg. Co.,
Harvey W. Peace Co.,
Woodrough & McParlin.

National Saw Co.
NEWARK, N. J.



L. COES'
Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.
MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.

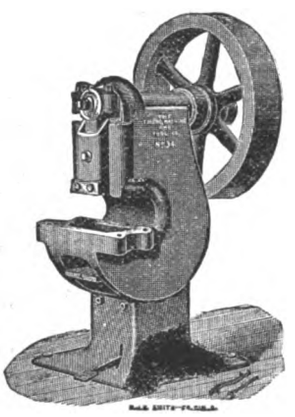


Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

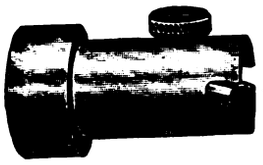
The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.



The Toledo Machine & Tool Co.,
501-505 Superior St., Toledo, Ohio.
—WE MANUFACTURE—
Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.
Special and Automatic Machinery Dies for all classes of work in sheet metal.
Write for Catalogue and prices.

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THE most durable, most practical and most satisfactory **NOZZLE** yet invented.
A simple, straight, open tube. . . . . .

No Valve, No Ball, No NOISE.

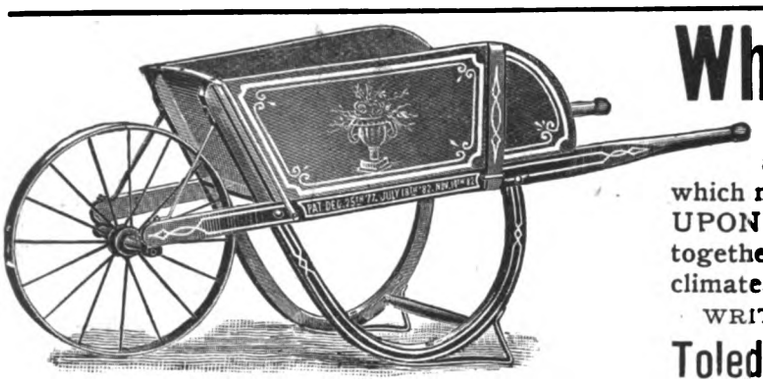
Will spray from finest mist to coarsest rain, or throw solid stream.

Write for Circulars.

Manufactured by the

H. F. Neumeyer Mfg. Co.,

Macungie, Pa., U. S. A.



Wheelbarrows

of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works. Toledo. O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

DRILLS



to Drill Holes.

Nine Sizes.

The **Advance** is the strongest and Best Finished Line of **Drills** to be found.

Ask for New Circular
AND
TRADE DISCOUNTS.

THE SILVER MFG. CO,
SALEM, OHIO.

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

The Ball Nozzle for '96.

Prices Reduced for 1896.



No. 6 Lawn Sprinkler.
BALL NOZZLE for '96.

For LOW PRESSURE,
(Works under Five Pounds Pressure.)
HIGH PRESSURE,
ANY PRESSURE,

The Acme of Perfection of
LAWN SPRINKLERS.

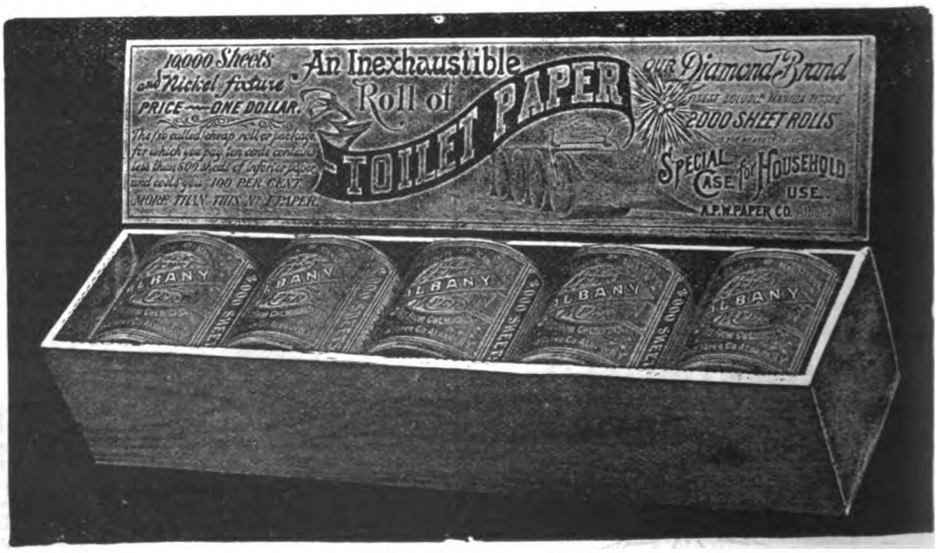
Manufactured solely by the **American Ball Nozzle Company,**

837-847 Broadway, New York.

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421 Market St., San Francisco. 519 Marquette Building, Chicago.

SEND FOR CATALOGUE.



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Do You Desire

an article that every family would buy if they simply had their attention called to its merits? If you do, put in a stock of P & A's Banner Oil Stoves. See Cut.



Banner Oil Heater

SIMPLE, NOVEL and PRACTICAL.

Requires less care than the ordinary Lamp.

Will burn 8 to 10 hours and heat comfortably a room 15 to 20 feet square.

NO SMOKE! NO ODOR!
PERFECT COMBUSTION.

POINTS:

The Oil Fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking.

No Chimney. The drum of the **BANNER** in its construction acts as a chimney, saving the expense incident to the renewal of glass chimneys of other makes.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and ONLY ONE with feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness.

Lighting. It is not necessary to remove any part of the stove to light it. The sliding door in the drum is made for this purpose.

Draft. The round openings in the drum create great suction of cold air in addition to the regular draft. Double the radiating force of the ordinary stove is thus secured.

Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

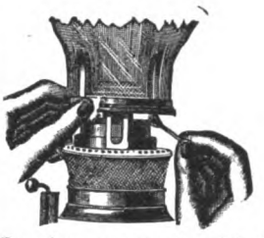
No. 971. Heater Complete. Height, 27 inches.

*** SOLE MAKERS, ***

THE PLUME & ATWOOD MFG. CO.,

29 MURRAY ST., NEW YORK, U. S. A. 199 LAKE ST. CHICAGO.

The



B & H LAMPS.

—Easy to Light—
—As Gas.—



For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place

—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*
Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.
Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

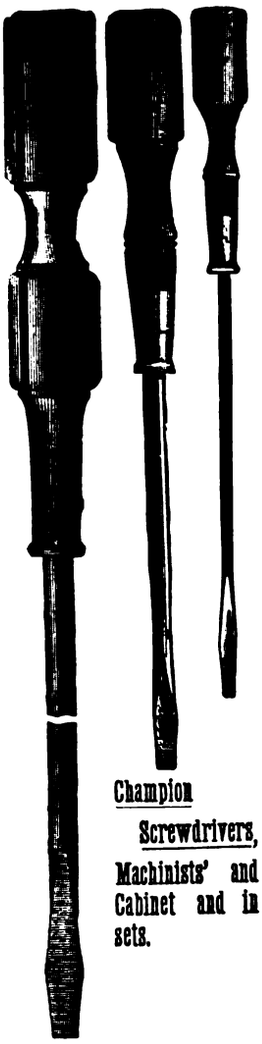
NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

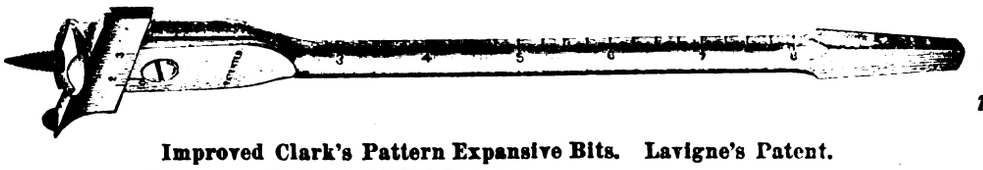


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Carpenters and Machinists' Tools.

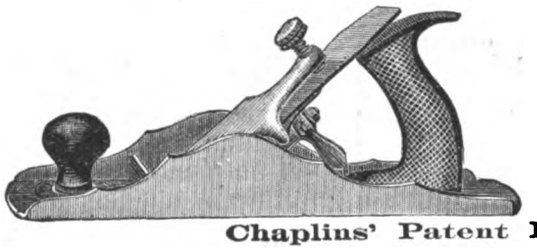


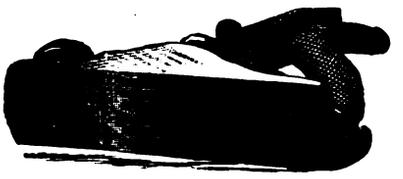
Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





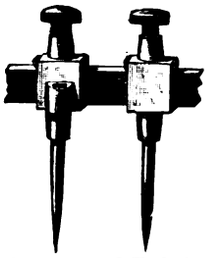
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.





Plumb Bobs and Trammel Points.

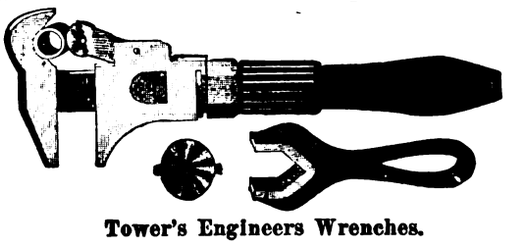




Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

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Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

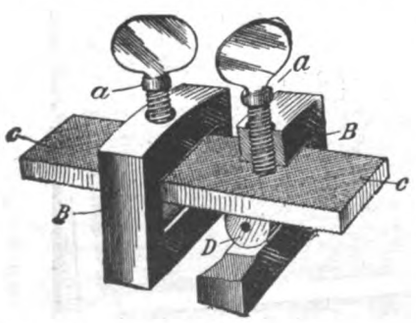
DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

A New and Useful Article Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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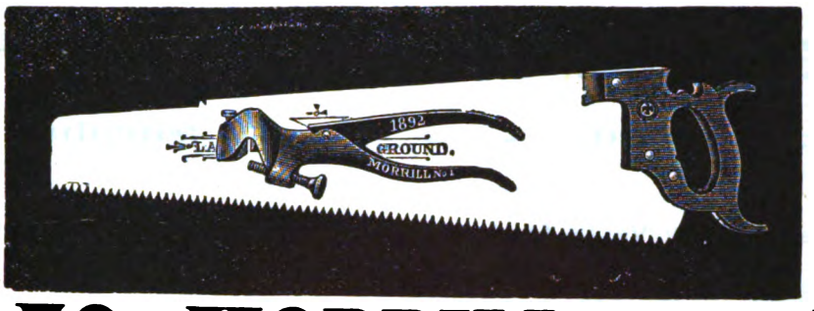
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

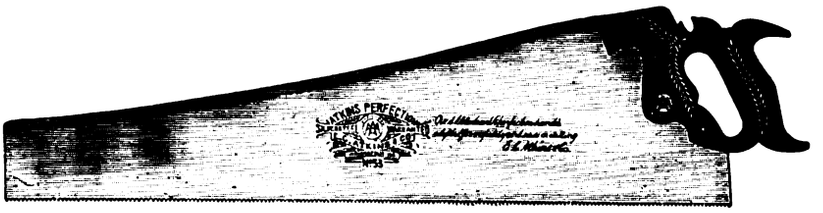
CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind. BRANCH HOUSES } Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

MANUFACTURERS

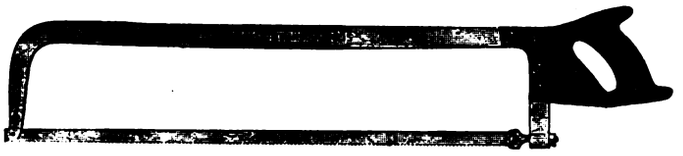
The Atkins SILVER STEEL SAWS.

SILVER
STEEL



THE BEST SAWS MADE.

THE ATKINS "PERFECTION" SAW. No. 53.





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If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

W-Y NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?

WE FURNISH COMPLETE OUTFITS,

THE HANSON & VAN WINKLE CO.,

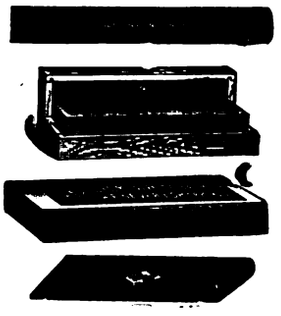
CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

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GREEN MOUNTAIN,
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WATER-OF-AYR,
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AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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Revolution in Washing Machines.

Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

The Champion Washing Machine Co.,
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Do You Recognize a Difference

between Goods that Please and those just good enough not to send back?

Then Buy Phillips' Screens!

WOULD YOU PREFER to buy an Original, Genuine Article that has proved its Worth and Popularity, or a caricature of it, made by a competitor, forced to "join the procession'

Then Buy the Genuine Phillips' Goods!

Would you prefer to sell goods made by well paid men with families and homes or goods made under the sweating system by boys and girls that ought to be in school? Which goods average the best?

PHILLIPS' GOODS ARE MADE BY MEN!

Aside from the Popularity and Stability of Phillips' styles and patterns, there are many reasons why the product of the Phillips' factories is especially desirable. . . . . .
More buyers now realize this than ever before, and more and larger orders have been placed for Phillips' goods than ever before at this season of the year.
Send for New Catalogue, and for Illustrated List of our New Popular Novelties

The A. J. PHILLIPS CO.,

Ask for our Large Cloth Signs, reading
"HEADQUARTERS for FLY SCREENS."

FENTON, MICH.

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NICHOLSON . .
GREAT WESTERN
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OPERATING FOUR DISTINCT PLANTS.

Capacity, Equipment and Quality of Product Unequalled.

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Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,
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Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.

We have also the quality & We have only the best

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SMALL AND MEDIUM.
Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
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CORRESPONDENCE INVITED.
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POSITIVE SECURITY
against sneak thievery by the use of
Shepardson's Key-Hole and Baggage Guard,
Sample by mail 75 cents. Illustrated circular and price list sent on application.
KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

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C. C. Clarke, Sec'y & Treas.
A. Weed, Vice-Prest. & Gen. Manager.

THE ARCADE FILE WORKS.

WEED'S IMPROVED CUT
GUARANTEE SEAL
ALL FILES ARE FULLY GUARANTEED
SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

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New York. Chicago.

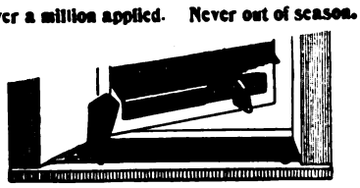
ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 83 Reade St., NEW YORK.

AXTELL WEATHER STRIP

IS NO EXPERIMENT, SOLD TO THOUSANDS WHO HAVE HAD OTHERS REMOVED AND THE AXTELL APPLIED

Over a million applied. Never out of season.



Wholly STEEL, will not warp or split.
Has no WOOD or SPRINGS to break.
No RUBBER to harden and pull out.
DOES NOT spring the door, but keeps it STRAIGHT and true. Not affected by ice, cannot be FROZEN down or pulled apart.
We WARRANT it to combine every excellent point needed for a perfect strip, and invite your correspondence in regard to it.

E. I. CHURCH & CO.,
West Hanover, Mass

The Bradley Shaft-Coupling

WIN A BUYER
BUY A SELLER
SELL A WINNER

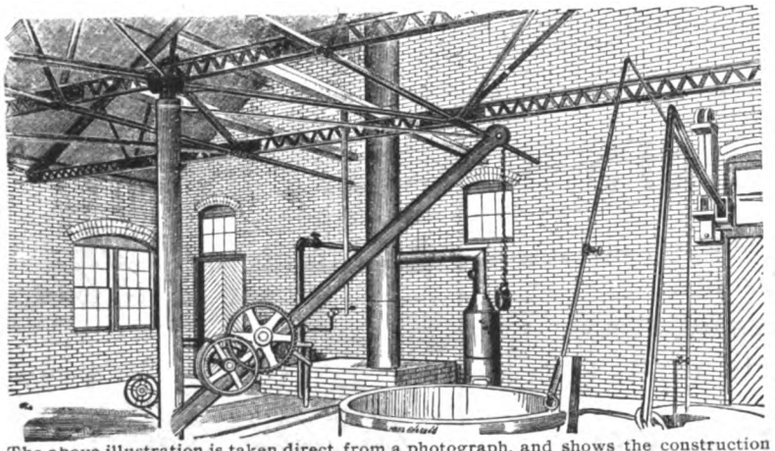


The only real quick shifting, anti-rattling coupling ever put together. Complete in itself and always ready.

No Bolts, No Nuts, No Screws, No Rubbers, No Wrench, No Rattle. Over 20,000 pairs in use. 12,000 pairs sold in 1895.

Send for Circular and Price List.

C. C. BRADLEY, Jr.,
SYRACUSE, N. Y.



The above illustration is taken direct from a photograph, and shows the construction of an Iron Truss Roof designed and built by us for the Fowler Nail Co., at Seymour, Conn The building is 44 feet in width by 62 feet in length, and is used for a Casting Shop, where the danger from fire is very great. The side walls being of brick and the roof trusses of iron, the danger is entirely eliminated.

THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders of

Iron and Steel Buildings, Roofs,

Bridges, etc., etc.

Send for Illustrated Catalogue.



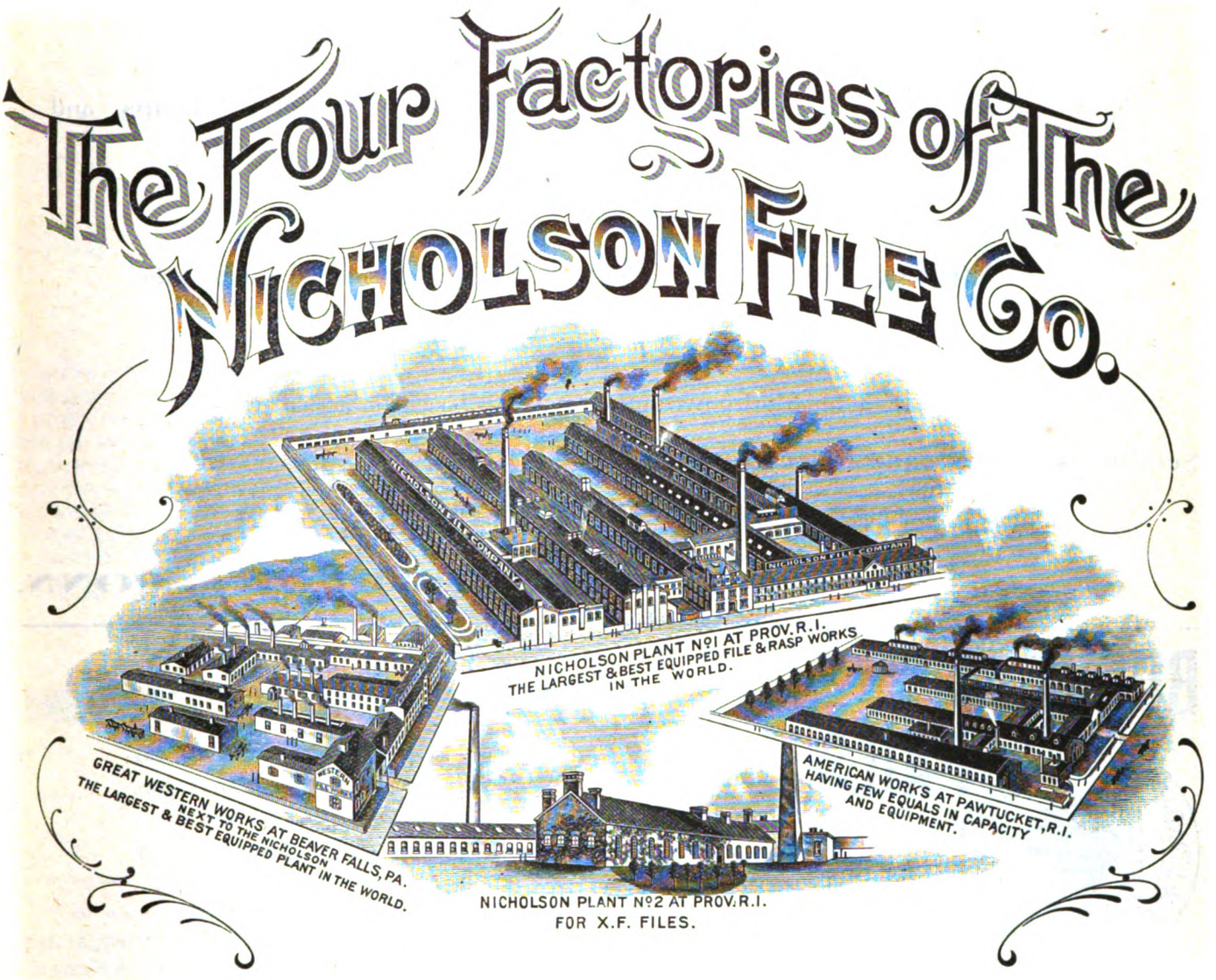
The above illustration, taken direct from a photograph, shows the construction of an Iron Truss Bridge designed and built by us at Massena, St. Lawrence Co., N. Y., consisting of one span of 235 feet, with a roadway 16 feet wide in the clear.

Office and Works, East Berlin, Conn.

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Largest File and Rasp Producers in the World.



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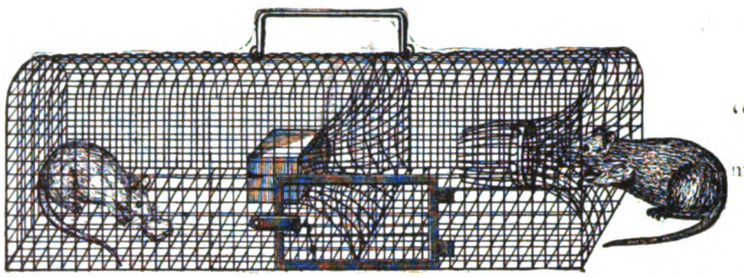
Standard Brands.

"NICHOLSON,"	Product of Plant No. 1,		Providence, R. I.
"X. F." (EXTRA FINE)	" " "	2,	Providence, R. I.
"GREAT WESTERN,"	" " "	3,	Beaver Falls, Pa.
"AMERICAN,"	" " "	4,	Pawtucket R. I.

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PROOF

"DURING one night we caught **16 Rats** in your **'Yankee' Rat Trap.**"
MRS. RICE.



"YOUR **'Yankee Mouse Traps'** caught 13 mice on the first night I set it."
A. G. McMAHON

OF

what we have said to the Trade in regard to the value of the **"Yankee" Traps,** and of our statements that

OUR

"Yankee" Rat and Mouse Traps are always set, and the

CLAIMS

for their superiority over other makes is based on actual trials

Send for Circulars and Prices to

The SMITH & EGGE MFG. CO.,

BRIDGEPORT, CONN.

BUCKETS

STANDARD FIBER-WARE COMPANY MANKATO, MINN. TRADE MARK

PAILS

f. o. b Your Station.

Our pails are larger than other makes, yet **cost no more.** Made of **strong fiber, wound,** and **steel bound,** they don't split open, nor chip off at edges. They have **a chime** you can **catch on** to, and a truss bottom that don't warp, loosen or leak.

All "Standard" Pails, Slop Jars, Spittoons, Wash Basins, etc. are **water-proofed** and **indurated throughout** by our newly applied process, and are **absolutely unsoakable.**

An **Ebony enamel,** hard and smooth, gives "Standard" ware an **attractive** appearance and a **durable** finish. **Scores of families** in every county will use it largely if it can be got "at the store." **Do you want their trade?** Lots of 100 lbs. or more, delivered f. o. b. cars, at their depot, to all responsible dealers.



The "Toledo"

STEEL HOSE REELS

Will not swell or shrink.
Price is low.
Best and Cheapest Reel on the market.

Quotations on application.

The Toledo Metal Wheel Co.,
Toledo, Ohio.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

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HARDWARE

VOL. XII. FEBRUARY 10, 1895. NO. 9.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.
DETROIT, - - - No. 10 PENINSULAR BANK BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS
LARGER THAN THAT OF ANY OTHER
PAPER IN THE UNITED STATES
DEVOTED TO THE HARDWARE TRADE.

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WE GUARANTEE THAT THE CIRCULATION OF
"HARDWARE" DURING 1896 WILL EXCEED

ONE HUNDRED AND TWENTY THOUSAND

AND THE SAME WILL BE PROVEN BY THE
PUBLICATION ON THIS PAGE, IN EACH ISSUE,
OF THE POST OFFICE RECEIPTS FOR COPIES
MAILED THE PRECEDING ISSUE.

"In another month we should be quite happy," is the suggestive phrase employed by a correspondent in to-day's market column. His reference, of course, is to the opening of spring trade, and in that view of the case merchants are perhaps justified in waiting for happiness in some day of the early future. But as a matter of fact those who wait for happiness in the future, miss a great deal of pleasure in the present. As a matter of practical philosophy, the only way to be happy is to be contented; and the only time to be contented is to-day. But how few there are who can command philosophy to that extent!

The annual dinner of the New York Hardware Club for 1896, will be given on the evening of Thursday, February 20th. The indications are that it will be as successful as were its predecessors, and those who fail to give their orders for tickets in time, will feel as did those foolish virgins who were short on oil; they will miss a good time, and hear only the echoes of the festivities within. Application for tickets should be made immediately to A. D. Clinch, chairman, care of the Hardware Club.

Hardware's Circulation Jan. 25th was 5125.

The following receipt carries its own explanation and moral:

ORIGINAL.

New York Post Office,
Jan 25 1896
Received from
Hardware
IN WEIGHT, AS FOLLOWS:

	TARE.	GROSS WEIGHT.
32 No. 1 Sack, 3 lbs.	96	3032
No. 2 Sack, 2 lbs. 5 oz.		96
Net weight,		2936
Rate per pound		.01
Amount of postage,		$29,36

N.Y. - NEW YORK - FICE - R. DEPT. - 1896 SEP 1-C

Per M. J. Callahan Receiving Clerk.
Chas. Daly Postmaster.

In other words, there were mailed, at pound rates, on January 25th, 1896, 2936 pounds of *Hardware:*

2936 × 16 = 46,976
46.976 ÷ 10½ = 4474
4474 + 651 = 5125

That is, 2936 pounds, or 46,976 ounces, divided by 10½ ounces, the weight of one copy of that number, equal 4474 *Hardwares* sent out by pound rates. To these should be added 651 copies prepaid by postage stamps, delivered by carrier in New York City, and retained for office use, and we have 5125 copies proven for January 25th, 1896. Add these to the 5651 of our issue of January 10th, and it gives a total of 10,776 as our circulation for the first month of 1896.

The Benefit of Expositions.

The great success of the Bicycle Show, which was held recently at the Madison Square Garden, followed by an increased interest in bicycling, shown as it was by all classes, indicates in a measure the benefits that

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manufacturers must reap from this mode of advertising and displaying their wares. The second annual Sportsmen's Exposition is billed to take place in March, and as was the case with the Bicycle Show, offers a wide field for the energies of the up-to-date Hardwareman. First of all he must make it a point to be present, and then, how much he will be benefited depends largely on himself. If he has enterprise, he will endeavor to find out all about the latest inventions, and if he considers them practical, will enter into negotiations with the maker for the agency of the article which receives his approval, or if unsuccessful in this effort will at least carry the article in stock. He will also meet other dealers, and is likely to pick up valuable ideas and suggestions as to others' methods, and is also able to know and form opinions of his competitors, which is bound to prove valuable. He can also make the acquaintance of the manufacturers with whom he deals, and when a maker has a personal acquaintance with a customer, the latter is apt to receive better treatment at his hands, especially if the acquaintance is a pleasant one.

The general broadening effect of gatherings of this character cannot well be overestimated. The opportunity for special information is very great, and the most casual visitor to an exposition like those above mentioned, must of necessity learn something of value, and gain a widened view of the resources of the country, and the extent to which manufactures have been carried by American ingenuity.

Committees of the National Hardware Association.

The following committees of the National Hardware Association of the United States have been appointed to service during the year 1896, and the same duly approved by the executive committee:

MEMBERSHIP COMMITTEE.

H. S. Blossom, Chairman, Cleveland; Col. M. B. Belknap, Louisville; W. S. Wright, Omaha; W. A. Parker, Atlanta; F. E. Smith, Peoria; C. W. Hackett, St. Paul; J. R. Nutting, Davenport.

FRATERNAL RELATIONS.

Jno. Bindley, Chairman, Pittsburg; Geo. Deming, Cleveland; S. D. Kimbark, Chicago; Cortland Van Camp, Indianapolis; Chas. H. Turner, Albany; John S. Brown, Knoxville; Geo. L. Irvin, Baltimore.

PRESS COMMITTEE.

Geo. T. McIntosh, Chairman, Cleveland; D. C. Delamater, Detroit; A. J. Warner, St. Joseph; Hermann Bahlmann, Cincinnati; J. H. Fall, Nashville; T. A. Harvey, Saginaw; Geo. A. Braun, Toledo.

GRIEVANCE COMMITTEE.

F. C. Pritzlaff, Chairman, Milwaukee; Horace M. Hill, Minneapolis; Hon. C. B. Lockwood, Cleveland; W. E. Newill, Atlanta; Harry Walbridge, Buffalo; A. M. Wiley, Boston; Rufus K. Hireman, New Orleans.

TRANSPORTATION COMMITTEE.

James H Ritter, Chairman, Philadelphia; Simeon H. Crane, Chicago; Capt. Frederic Barker, Elmira; Wm. Chamberlain, Portland, Me.; Jos. G. Standart, Detroit; F. H. Mason, Spokane; J. D. Moore, Birmingham.

ENTERTAINMENT COMMITTEE.

T. James Fernley, Secretary-Treasurer, Chairman, Philadelphia; John Griffith, Philadelphia; William D. Supplee, Philadelphia; W. C. Reitz, Pittsburg; Hobart Weed, Buffalo; John Conover, Kansas City; W. C. Johnson, Cincinnati.

L. Straus & Sons' Bicycles.

On another page we present an announcement by L. Straus & Sons, the largest china and pottery house in the world, who occupy four stores on Warren Street, New York, running through to Chambers, and numbering from No. 42 up, to the effect that they are now prepared to supply bicycles to the trade, and are open to propositions for the agency of their wheels. The company now own a plant in New Jersey, equipped with the latest and most approved machinery, and are making, to borrow their own words, "as good a bicycle as is possible to build."

The Straus wheels will be listed at $85, from which price a liberal discount will be allowed to the trade only. L. Straus & Sons have been in business for over a generation, and are considered one of the strongest and most reliable concerns in New York. They enjoy the highest commercial rating, and in fact, their capital is practically unlimited. The sons are brilliant and enterprising men, one of whom, the Hon. Oscar Straus, ex-minister to Turkey, is a gentleman who has shown a profitable interest in public affairs. The manager of their sales department, C. P. Brown, has been with the Pope Mfg. Co. for the past several years, and is well known to the trade.

The mechanical skill employed in the construction of the Straus wheels is the best obtainable, and it is safe to predict that before another season the firm of L. Straus & Sons will cut a very conspicuous figure in the bicycle trade.

Cleveland Wire Spring Co.'s Fire.

Some nights since fire was discovered in the rear part of the Cleveland Wire Spring Co.'s factory, at the northeast corner of Hamilton and Wason Streets, Cleveland, Ohio, and in spite of the most valiant efforts on the part of the fire department the entire plant was destroyed. The loss will reach in the neighborhood of $30,000. The buildings were two-story structures, partly of frame and partly of brick, the latter being a new addition in which were located the company's offices. The origin of the fire is a mystery. The theory is that it is a case of incendiarism, although no clew was discovered which would bear out the theory. Besides the machinery used in the building, there was also stored a large quantity of spiral springs, which the company manufactured. The fire will throw about 120 men and women, mostly young persons, out of employment. The officers of the Cleveland Wire Spring Co. are: President, F. H. Hilliard; secretary and treasurer, W. A. Comstock.

Berlin Iron Bridge Co. Election.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed a very successful year. The shipments have been the largest in the history of the company, and represented by over one and one-half million dollars worth of business. At the annual meeting of the stockholders, which was held at the office of the company on Thursday, January 30th, the following directors were elected: Chas. M. Jarvis, Burr K. Field, Geo. H. Sage, H. H. Peck, of Waterbury: S. H. Wilcox, of Brooklyn, N. Y.; J. W. Burr, and F. L. Wilcox. At the meeting of the directors the following officers were re-elected: President and chief engineer, Chas. M. Jarvis; vice-president, B. K. Field; secretary, George H. Sage; treasurer, F. L. Wilcox; manager of highway bridge department, D. E. Bradley; assistant to the president, E. W. Stearns.

The power house for the Brunswick Traction Co., Milltown, N. J., will be furnished by the Berlin Iron Bridge Co., East Berlin, Conn. The engine room will be 64 feet long and 85 feet wide, and the boiler room 45 feet wide and 48 feet long. The side walls are of brick, and the roof trusses of iron.

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Why Folks Read Business Papers.

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

Business people read business papers.

He who can't get business out of the business paper has no business to be in business and generally isn't.

The daily paper has its business department.

The religious paper recognizes business.

The business paper is all business, for it can contain nothing excepting that directly pertaining to the business it represents.

The business paper is the distributer of hard business literature.

The business paper is the periodical clearing house in which is made the balance of trade.

The business paper increases trade; regulates competition; protects industries.

It is a protective organ, as well as a medium for the distribution of unpolitical free trade.

I do not mean to say that all poor business men do not read trade papers, but there never was a good business man who did not depend upon the paper of his trade.

Perhaps the trade paper editor may not have been drilled in the business he represents.

Perhaps he may have been a failure as a business man.

It is not the business of the business editor to be a success in business.

It is his business to act in the capacity of the absorber of business information; that he may the better present, with or without argument, the data of business.

Into the trade paper goes the theory and practice of business manipulation.

It is a mirror of business.

It reflects trade directly.

It does not allow the rays of business to diverge from the straight line of trade.

The business man may read an hundred daily papers, or he may read a dozen magazines, and from them all he may obtain general information of positive value in the conduct of his business; but from a good trade paper he receives definite, practical information of as much importance to him as the counter in his store, or the record book in his office.

Folks read business papers because they want to.

Folks read business papers because they have to.

The first indication of intelligent progression in the clerk is when he turns from his desk at opportune moments to absorb the paper of his trade.

The intelligent man of business reads his trade paper from beginning to end; advertisements and all.

He may not always read it intelligently, but he gives to every page at least an eye glance.

The advertisements to him are of the same importance as the reading matter.

In the combination of the two he derives information of pertinent necessity to the management and development of his business.

The trade paper is a necessity, and so long as it occupies that position it will be read conscientiously and intelligently by every business man who has proven his right to do business.

Copyright, 1896, by Nath'l C. Fowler.

A Canadian Hardware Dinner.

Following a pleasant custom that is becoming quite general, the Hobbs Hardware Co., London, Ont., some evenings since entertained their employees at dinner. Some fifty people sat down at the feast, and at the conclusion thereof W. G. Willis, manager of the glass department, and chairman of the evening, made a speech full of personal reminiscences. He then proposed the first toast, "The Queen," which was enthusiastically received, and accorded musical honors. Interspersed with various musical selections the following toasts were also honored; "Our Traveling Interests," suitably responded to by I. B. Young, F. B. Hope, W. A. Cameron and N. J. Dinnen, all members of the traveling fraternity of the house. "Our Employers" brought W. A. Eastwood and W. A. Tanner to their feet with appropriate remarks. In replying to the toast of "The Warehouse" A. Morgan and W. West took occasion to refer to the excellent good feeling and friendly rivalry existing between the employes of the warehouse and the glass factory. The compliment was returned by W. G. Willis and D. Young, who rose to respond to the toast of "The Factory." After "The Ladies" had been appropriately championed by W. A. Cameron, Geo. T. H. Platt and A. Sippi, the toast of "Our Hosts and Hostess" closed the list.

Michigan Hardware Association.

The following programme has been arranged for the first semi-annual meeting of the Michigan Hardware Association, to be held at Saginaw, E. S., Mich., on Wednesday and Thursday, February 12th and 13th, 1896, in the rooms of the East Saginaw club:

WEDNESDAY, FEBRUARY 12TH.

Afternoon session—2 o'clock.

1. Roll Call.
2. Selecting Committee on Credentials.
3. Recess of Thirty Minutes.
4. Reading of Minutes.
5. President's Address.
6. Report of the Secretary and Treasurer.
7. Adjournment.

Evening Session—7:30 o'clock.

1. Paper—"The Best Method of Creating and Maintaining Harmony Between Local Dealers." - - - MR. HENRY C. WEBBER, Detroit.
2. Discussion.

THURSDAY, FEBRUARY 13TH.

Morning Session—9 o'clock.

1. Paper—"Present Method of Making Net Profits Now, as Compared to Twenty Years Ago." - - - MR. T. A. HARVEY, Saginaw.
2. Discussion.
3. Paper—"How to Overcome Competition in the Sale of Inferior Goods by Irresponsible Dealers." - - MR. T. FRANK IRELAND, Belding.
4. Discussion.

Afternoon Session—2 o'clock.

1. Paper—"The Retailer, the Jobber and the Traveling Man." - - - MR. EDWARD A. MOYE, Marquette.
2. Paper—"The Traveling Man's View of it." - - MR. ALBION F. WIXON, Marquette.
3. Discussion.

Thursday Evening.

Complimentary Banquet at the East Saginaw Club.

The headquarters of the Association will be at the Bancroft House. Executive committee headquarters, Room 8.

Advertising Axioms.

"The better the day, the better the deed." The better the "ad." and the better the mediums used, the better the results.

If you have something that people need, advertise "with courage and faith," and the people at home and abroad will respond to your profit.

Do not forget that an advertisement in "perpetual motion," *if it is good*, will wear its way into the people's memory with consequent results to you.

Here is a suggestion—"*Make your advertisement an argument deriving its force from the situation, and present it clearly to all to whom it is addressed.*"

By advertisers I mean those who *know* that advertising *well done* is bound to bring results; by business men I mean a very large class of manufacturers who are "poor in the midst of great wealth," *i. e., of possibilities of development.*—By J. Walter Thompson.

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The Sportsmen's Exposition.

As preparations progress for the Second Annual Sportsmen's Exposition at Madison Square Garden, New York, indications are not wanting to the effect that it will far surpass that of 1895 in the variety of its displays, and in the attractiveness with which they are to be arranged.

The rivalry among manufacturers and dealers to produce displays which, in novelty of feature and attractiveness of arrangement, will loom up much in the nature of a surprise on the opening day, is in itself an indication of the healthy degree of enthusiasm that pervades all circles interested. An amusing degree of mystery and secretiveness has been called into play clear down the line of exhibitors, and even those who are destined to be outrivaled, if not eclipsed, next March, will at least have the satisfaction of knowing that they have made an earnest and plucky fight for priority in the Show.

The past week has seen the efforts of the Sportsmen's Association crowned with success in the direction which unquestionably means much to the coming Exposition. This has been the securing of a concession from the Trunk Line Association, embracing all of the prominent roads centering at New York, of a one and one-third fare rate, to be enjoyed by all accredited delegates to the Sportsmen's Convention, to be held at Madison Square Garden during Exposition week. By this provision, accredited delegates will purchase their tickets from their homes to New York, and on having their credentials vised here by the trunk line agent and by the assistant secretary of the Sportsmen's Association, they will be sold a return ticket for one-third of the regular fare, which will give them the round trip for one and one-third of the regular rate. The leading members of the Association, who are also exhibitors at the coming Exposition, have heartily endorsed the project for a Sportsmen's Convention during Exposition week, which in itself will be an educational feature of decided importance. Plans are on foot to make this convention one that will be memorable in the history of sport and sportsmen's displays. These plans will be announced a little later. Meantime, leading exhibitors will see to it that among those who receive credentials as delegates to the convention will be representatives of some of the oldest and most prominent out-of-town houses in the retail sporting goods trade. An opportunity for exhibiting manufacturers to meet their customers personally and to cement the ties of good fellowship by a little personal attention upon so memorable a visit as the coming journey to New York will prove to many of the delegates, will be improved to the utmost extent.

Through this happy condition of things, it is expected that the Second Annual Sportsmen's Exposition will be given a degree of importance from a trade standpoint that it has never attained before.

Electroplating Apparatus, Etc.

The Zucker & Levett & Loeb Co., No. 526 W. Twenty-fifth Street, New York, have issued a complete and handsome catalogue of the great line of nickel and eletro-plating supplies and polishing materials which they carry. The earlier pages are devoted to a general description of the Improved Giant Dynamos for electro-typing and electro-plating. These are of the inverted horseshoe type and have a laminated field made of the best Swedish iron in the smaller and of a special cast iron in the larger sizes; the armature is thoroughly laminated to prevent a possible heating due to Foucault or eddy currents, and the armature heads are covered to prevent any dirt or oil from entering them, also to prevent the wire from receiving mechanical injury. The commutator has a large number of sections, thereby insuring a perfectly even current and deposit, and likewise reducing to a minimum that well-known evil, sparking. The commutator bars are drop forged copper, and are thoroughly insulated with mica. The machines are shunt wound and so proportioned that it is impossible for them to reverse. The bearings are made of a special alloy, much harder than phosphor bronze, and are provided with an automatic oiling device, which keeps the shaft of the armature constantly lubricated. These dynamos are described as extremely simple, all the parts being in sight and easily accessible and the armature and other parts can be removed and replaced by any one in a few minutes. The greatest possible care is taken in the manufacture of these machines, and every part is subjected to a thorough test before the machine is assembled. After it is put together, it is run for several hours on an overload, to see that it fully comes up to the efficiency claimed for it. The brush holders are of an improved pattern and are adjustable in every respect. The brushes can be lifted from the commutator by means of a thumb screw, with which the tension of the brushes is also regulated. All parts of the dynamos are made to standard gauge and are interchangeable. They also publish a great many testimonials from prominent users who have found these machines very successful in operation. Several pages are devoted to descriptions of batteries for electro-plating, accompanied by a complete description of an electrotyping plant, with the parts necessary for a nickel-plating and polishing outfit. These lists range from $100 to $3600, the latter named having a capacity for handling one hundred bicycles per day. Like lists are also given for silver-plating, gold-plating and copper, brass and bronze outfits. The catalogue in addition contains full descriptions of all the machinery and appliances for carrying on the work of electro-plating.

The Hardware Industry.

Fifty years ago the great proportion of Hardware used in this country was imported; to-day the great proportion is manufactured here. The growth of the business, from a small beginning to its present huge proportions, has been through gradual development. Hardware is a staple article, or articles, for the term implies endless articles necessary to house building, metal trimmings, all kinds of tools, cutlery and nails. In an interview, a prominent member of the trade said: "New York is the biggest Hardware manufacturers' centre in the United States. There are large distributing cities, such as Cleveland, Chicago and St. Louis, but they depend largely on the New York houses for supplies. The biggest market for American manufacturers is America. New York's pre-eminence in the Hardware trade is probably due to the fact that the industry is one of Eastern origin, and New York was the natural stopping place for merchants from the West and South. Instead of going to New England, they stopped at New York."—*New York Mail and Express.*

Covert's Saddlery Works, Farmer, N. Y., inform us that they have lately greatly reduced their prices on Neck Yoke Centers, and add the pleasant news that their entire line of saddlery, coach and general Hardware is booming. Their 1896 catalogue and price list is ready to mail, and they will be pleased to send it to all who request the same.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the Newport News foundry, Hampton, Va., a large foundry 40 feet wide and 160 feet long, the central portion being controlled by a traveling crane. This is one of the best and most modern foundries of the Southern States.

J. V. Bickford & Co., Machinists and Steam Fitters, Mount Holly, N. J., Jan. 28, 1896. Hardware Publishing Co., Gents: You will please find our check for another year's subscription to *Hardware*. We don't want to be without it.

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Law Suit a Weapon.

The Magnolia Metal Co., at No. 74 Cortlandt Street, New York, has had to defend itself against several peculiar attacks by rival corporations, which have wanted to get control of its patents, and the latest attack is in the form of an attachment, which has been served in advance of the trial of a suit for $35,000. Charles B. and Edward C. Miller organized the company eight years ago, and the corporation is incorporated under the laws of West Virginia. As the company manufactures the finest grades of metal used in journal bearings, its patents are of great value, and several capitalists have vainly tried to get control of them.

Recently a discharged employee in Chicago made a claim against the company for $7000, and the claim was assigned to James Shanks, of this city, who brought a suit. The company settled the claim for $1 and caused the arrest of Shanks for alleged perjury in the proceedings. Now an attachment has been issued against the company in a suit brought by a man named Lawlor, as the assignee of a claim of $35,000 made by an English construction company. As Lawlor is a New Yorker and brings the suit against a foreign company having an office in this city, he has been able to get the attachment before the trial of the suit. Although the suit is for $35,000, he has been obliged to give a bond for only $1000, and ex-Dock Commissioner Phelan is on the bond.

Charles B. and Edward C. Miller said last evening that the English construction company, which has made the claim for $35,000, really owed them about $80,000, and they would be able to show that by the contract if the suit of the assignee could ever be brought to trial. The suit was an American suit, they declared, and had been brought in order to secure the attachment as a club to compel them to sell their patents cheaply. They declared that they would dispose of the suit in short order and show the animus of it when the case could be brought to trial. Instead of being liable to a judgment, they said, they had made about a million of dollars in the manufacture of magnolia metal and only lately passed $150,000 of the company's surplus to the capital account.—*New York Tribune.*

The Magnolia Metal Co. of New York has given bond for $36,000 in this matter, and has brought suit for $100,000 against the parties who instigated these attachment proceedings for money actually due from them to the Magnolia Metal Co. and for attempted damage by the attachment proceedings.

A most beautiful prospectus is being sent around to friends of the Magnolia Metal Co., offering stock in this company with a 10 per cent. guaranteed dividend, payable semi-annually.

An Iowa Hardware House.

The *Iowa State Advertiser*, Clinton, Iowa, published, in a recent issue, an extended and appreciative article on the Sickels, Preston & Nutting Co., Davenport, Iowa, from which the following extracts are taken: In a conversation lately with Mr. J. R. Nutting, manager of the great wholesale Hardware concern of Sickels, Preston & Nutting Co., of Davenport, we were told that it has been the invariable rule of that house for years past to buy goods at home or as near home as possible, and that to-day they are buying goods in Clinton, Dubuque, Cedar Rapids, Burlington, Fort Madison and other Iowa cities wherein there is a factory putting out goods in their line. This result is practical reciprocity. An immense trade has been secured, and a commercial recognition has been achieved that has made the name of this firm a household word throughout the State and country. For almost half a century this house has been a leader in its line. The company's warehouse and offices are centrally located in the city of Davenport, occupying an imposing and commodious brick structure on Third Street. This building is 44x150 feet, five stories in height. In addition to this building three large warerooms are located on Front Street with the Mississippi river on one side and a railway side track on the other, giving them complete shipping facilities.

The Sickels, Preston & Nutting Hardware Co. deal extensively in shelf Hardware and cutlery, tinners' tools and supplies, stamped ware and tin plate, sheet iron, belting and mill supplies, paints and all other articles handled by the best class of Hardware, paint and tinware trade. They also handle rope, cordage and binder twine, the last named article being a specialty with them. In barb wire they are heavy dealers, it being estimated that sales of each season for a period of fifteen years, would run a legal fence twice around the entire state of Iowa. As an illustration of the volume of business transacted by this house it is only necessary to take a single item, that of skates, of which they (including their New York house) have already sold, during the season of '95, over 100,000 pairs.

This house is headquarters for all goods handled by it, as all articles of whatever manufacture are bought directly from the factories. They buy nothing from jobbers or middlemen and thus are enabled to put their goods on the market at the most favorable market rates. The officers of the company are: Robert Sickels, president; A. J. Preston, vice president; J. R. Nutting, treasurer and general manager, and G. H. Nutting, secretary. The Eastern house of Sickels, Sweet & Lyon, of 35 Barclay Street, New York, is connected with the Davenport house and looks after the Eastern trade. The Davenport house employs a large number of clerks, salesmen and accountants in its various departments and has a force of eight traveling salesmen in the field all the time. They cover the entire West and Northwest.

The management of this large establishment devolves upon Mr. J. R. Nutting, the treasurer of the company. Mr. Nutting entered the employ of the company as an errand boy in 1864, and by faithful and conscientious service, honorable business methods and ability, paved the way to his present commanding position. He has clearly demonstrated what perseverance and application can accomplish when used in the proper channel. He is recognized throughout the entire country to-day as one of the most prominent and successful wholesale Hardware merchants in the West. He is a regular contributor to the leading trade journals of the country on topics concerning the iron and metal trade, and his opinions are given great prominence. Among the people connected with the house of Sickels, Preston & Nutting Co. are two of Mr. Nutting's sons, who are following closely in the father's footsteps and bid fair to attain as great a prominence in the trade as their worthy sire. They are Grant Hosford Nutting, secretary of the company and Ralph Everett Nutting, at present in charge of the cutlery department.

Church & Sleight Dissolution.

The following announcement carries its own explanation:

Gentlemen:—The co-partnership heretofore existing between the undersigned is this day dissolved by limitation. The business will be continued by Geo. W. Church, who will sign in liquidation for the late firm, and will continue in the same line of business. The sales department of the business will continue as in the past, under the supervision and management of James E. Sleight. The favors which have been extended to the late firm are solicited for its successor, and we take this opportunity to thank you for your consideration in the past. Yours very Truly,

GEORGE W. CHURCH.
JAS. E. SLEIGHT.

NEW YORK, January 1st, 1896.

HARDWARE'S "Prices Current" are reliable.

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Travis' Lawn Sprinklers.

The accompanying cuts illustrate a line of Sprinklers manufactured by the W. S. Nott Co., Minneapolis, Minn., whose factory for the construction of these goods is located at Bridgeport, Conn., from which point the sprinklers are shipped out to the trade. Fig. 1 illustrates a new Revolving Sprinkler that possesses features not contained in the



NIG. 1.

construction of other sprinklers. This device is made to revolve without a water joint, and is guaranteed not to wear out, or leak, no matter whether it is run from a tank or hydraulic pressure. It is said to cover a very large area, and perfectly distributes the water from the base, outward. All of the wearing parts are made from brass, so as to prevent it from rusting. It is mounted on an ornamental base of circular form, which posseses the necessary attachments for the hose, and the device can be drawn about the lawn

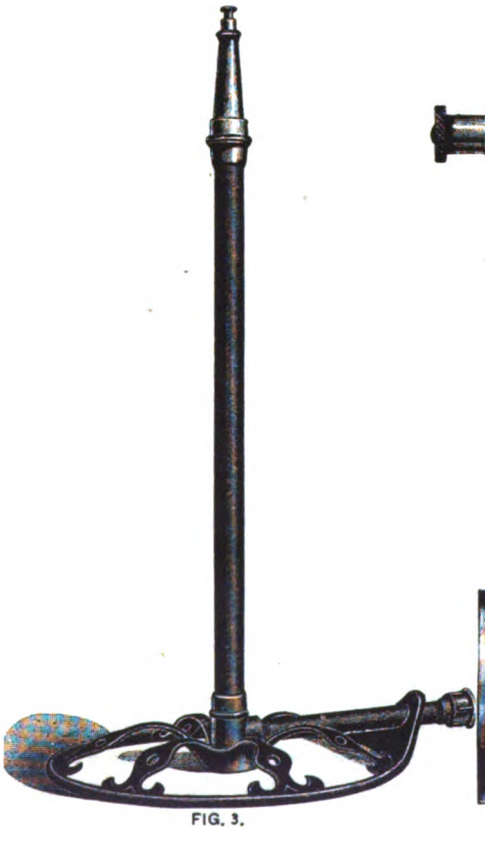


FIG. 3.

without turning off the water. For large lawns, this Sprinkler is especially adaptable, and the manufacturers give it the title of being the prince of lawn sprinklers. The base is finished in black enamel and the upper part finished entirely in nickel. It is capable of revolving from a pressure of fifteen pounds, and readily adapts itself to all conditions which are found with an ordinary water supply.

Fig. 2 represents the Travis Toboggan Sprinkler, given this name from the similarity to the form of the toboggan. There is mounted upon this low-down base, a connection for the hose, and on the opposite end of the said connection, is secured the automatic sprinkler. This sprinkler is peculiar in its construction, as it is provided with a close-fitting cone-shaped plug. The plug oscillates upon a cen-

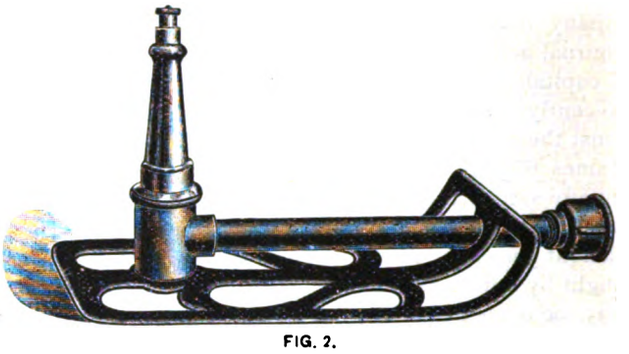


FIG. 2.

trally located rod within the atomizer proper, and a burled nut screws on the top of the adjusting rod, and compresses an indestructible spring, which may be turned down so as to adjust the cone in the mouth of the nozzle, to adapt itself to any degree of pressure. By this means a very fine spray can be ejected from the nozzle, or it can be screwed up so as to throw a very much heavier volume of water. By the employment of the automatic throat above referred to, the device can readily adjust itself to varying pressures. It will cover a very large area, and it also possesses the feature of being drawn about the lawn by the hose, without turning off the water. The finish is in black enamel and nickel.

The High Stand illustrated in Fig. 3 is new in its construction, being built upon a circular base, formed up in a light and ornamental style, and upon this base, is mounted

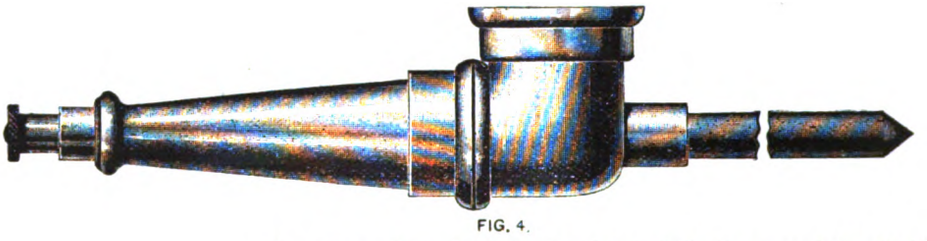


FIG. 4.

the connections for the attaching of the hose, and the light piece of tubing extends from the centre of the base in a horizontal position about 2½ feet high. Upon the upper end of this tube, is a fitting for the receiving of the spraying nozzle. This nozzle is of the automatic throat type referred to in Fig. 2, and can be adjusted to fit any pressure.

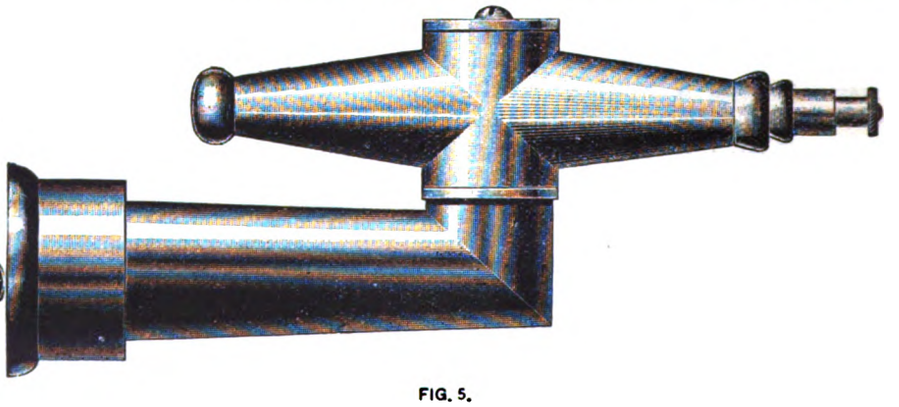


FIG. 5.

The High Stand can be drawn about the lawn, and is literally a movable fountain. The water thrown from an elevated position in a steam-like spray, is said to be very beautiful, attractive and effective, as it covers a large area, and the entire device has the distinction of being new

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and novel in design. It is finished in black enamel and nickel.

In Fig. 4, we give illustration of the Elbow Sprinkler, the object of its construction, the manufacturers state, being to place an excellent device upon the market, at a moderate price, and to give the same results so far as the character of the spray ejected is concerned, as the "High Stand" gives, or the "Toboggan" possesses. To accomplish this, the same style atomizer is used, having the automatic throat with adjustable mouth cone for varying pressure. The Elbow Sprinkler is made entirely of brass, and is extra heavy, with a five inch spike provided at its base to stick in the ground. It does not, however, possess the features of being drawn about the lawn, as is the case with the other line of sprinklers illustrated herewith, but as previously stated, has all of the spraying qualities. It is finished entirely in nickel.

In Fig. 5 is shown the Reversible Spraying Shut-off Nozzle. This nozzle is designed to be held in the hand, and is provided at the spray end with the automatic throat referred to in some of the other constructions. This fineness of the spray can be adjusted to suit the conditions. It gives a large volume of water, perfectly atomized, and for flower beds and other delicate vegetation, can be adjusted, it is said, to throw a deluge of perfectly dew-like spray. To throw a straight stream it is simply a matter of reversing the ends of the nozzle which turns on a ground joint. It is pointed out that there is never any danger of getting wet while reversing from spray to straight stream, or *vice versa*. To shut off the water entirely, simply turn the spraying end at right angles to the main shank of the sprinkler. It is finished in nickel.

New York Hardware Club.

The Hardware Club, which occupies the fourteenth and fifteenth floors of the Postal Telegraph Building, at Broadway and Murray Street, is one of the most popular and prosperous clubs down town.

It was incorporated in June, 1892, by merchants in the Hardware trade, but members of other trades and businesses were never excluded from its list of members.

It opened its spacious and elegant rooms May 31, 1894, at which time it entertained its members and hundreds of their friends.

The club's rooms are handsome and well appointed, are finished in mahogany, and where not tiled are carpeted with rich Wilton carpets; their walls are pleasantly decorated, and the furniture is of mahogany throughout.

Across the Broadway front are the reception and reading rooms; along the Murray Street side are the dining rooms, capable of seating 200 persons at once, and in the rear are the cafe, kitchen, serving rooms, butler's pantry and wine-room.

Attractive rooms for private parties and the use of members' wives and families are also there. Every room is light and airy, and commands a fine view of the city. By going from room to room one may see the entire lower city, bay, and harbor of New York, with portions of Brooklyn and New Jersey.

The club has a roll of 528 resident and 106 non-resident members—it is limited to 600 resident and 200 non-resident members. Its admission fee is $50, and its annual dues are $50 for resident, and $25 for non-resident members.

The officers of the club are: President—Peter McCartee; Vice President—Robert H. Swayze; Treasurer—Thomas F. Keating; Secretary—J. Leonard Varick; Board of Governors—Arthur G. Sherman, Edward C. Van Glahn, George H. Sargent, Eugene Bissell, James H. Kennedy, Richard R. Williams, Alfred D. Clinch, Charles Daly, Brace Hayden, Mortimer C. Ogden, and Webster R. Walkley.

Among its prominent members are Franklin Acker, Benjamin Atha, Thomas J. Atkins, William H. Baker, Thurlow Weed Barnes, James M. Bell, E. Henry Boardman, George S. Brown, Thomas F. Byrne, Willard L. Candee, Edward F. Cole, Warren A. Conover, John M. Crane, Terence F. Curley, Phillip T. Dodge, Charles L. Dwenger, Robert N. Fairbanks, Joseph Gales, Augustus Gaylord, Hugh J. Grant, Charles E. Jennings, Thomas F. Keating, Richard M. Laimbeer, John W. Mackay, Edwin A. McAlpin, Edward H. Perkins, Jr.; Lemuel E. Quigg, George F. Spinney, Albert H. Tatum, Francis M. Underhill, Chief Justice Robert A. Van Wyck, and Webster R. Walkley.—*New York Times.*

The J. Stevens Arms & Tool Co.

The new officers of the J. Stevens Arms & Tool Co., Chicopee Falls, Mass., held a meeting yesterday afternoon, and completed the reorganization of the new corporation. The capital stock of the company is the same as before, which will be amply sufficient for carrying on the business as planned. The officers chosen are: President and Treasurer, Irving H. Page; clerk, Miss Georgie E. Page; board of directors, these officers, with Charles B. Fay. The new company are planning to branch out after they have got started, along broader lines than the old company followed. This will necessitate the employment of more men. The old firm once had a large force of men in their employ, and after the new company get on its feet they hope to give employment to as many, if not more. The shops will be pretty thoroughly overhauled and everything be put into ship-shape. Mr. Page, the new president of the concern, has been employed as secretary for fifteen years, and has just returned from Athol, where he has been engaged in the machinist business for two years. The old board of directors met yesterday, but adjourned for a week.—*Springfield (Mass.) Republican.*

His Knowledge of Knives.

"I remember seeing on my father's table when I was a boy," said the middle-aged man, "some knives that had been so worn down with long use and repeated cleaning that they were almost pointed, and that were so thin that they were so flexible, like the knives that druggists use to get things out of mortars with; I know I used to think the folks must have had them a long, long time. The other day I saw at my place at the table an ivory-handled steel-bladed knife that was so worn down at the end that it was almost pointed, and that it was so thin that it was flexible, like a druggist's knife; I picked it up and tried it on my plate. An heirloom? It was a knife that I had bought myself when I was married, and which had gradually worn down to this, and I had never until now understood it.

"And I wonder what my children think of the thin-bladed knives they see on my table?"—*New York Sun.*

Garden Hose.

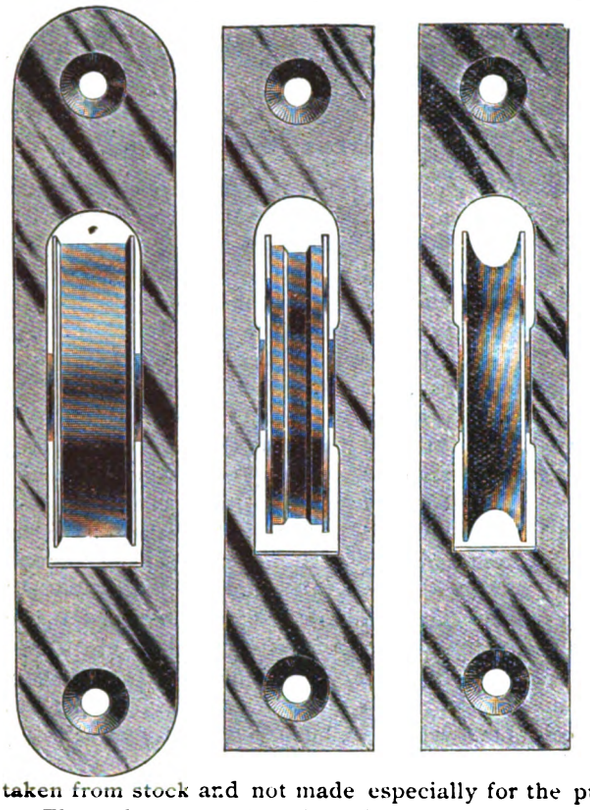
The New Jersey Car Spring & Rubber Co., Jersey City, N. J., who have won an enviable reputation as manufacturers of high grade rubber goods, are out with a very attractive line of Garden Hose for the year 1896. Two or three new brands have been added to the well-known standard brands which this company has carried so successfully in years past, and the trade will find it profitable to send for samples, prices and further information.

Alfred Field & Co., No. 93 Chambers Street, New York, have issued a sheet showing the prices upon the Shears made by the Trade Unionist Sheep Shear Co-operative Society, whose members, as we understand it, were former workmen—afterwards locked out—of Burgeon & Ball This settles the question of quality, and all other points are guaranteed by the fact that the goods are handled by the firm above named.

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Gardner Sash Balance Co.'s Pulleys.

The Gardner Sash Balance Co., No. 312 First National Bank Building, Chicago, are making about five thousand different styles and finishes of pulleys, running from one inch in diameter up to ten inches for ribbon, chain or rope. Illustrations of some of them are here shown. They guarantee their pulleys equal to samples sent out, as the samples



are taken from stock and not made especially for the purpose. They also guarantee them in every respect as to quality and price, and will be pleased to send full information as to sizes, prices, etc., on application. They also make steel ribbons, attachments for sash balances, elevator doors, etc.

Columbia Safety Dumb-Waiter.

Speidel & Roeper, Reading, Pa., are offering the Columbia Safety Dumb-Waiter—Speidel's Patent—shown in accompanying cuts. They are made in three sizes—100, 300

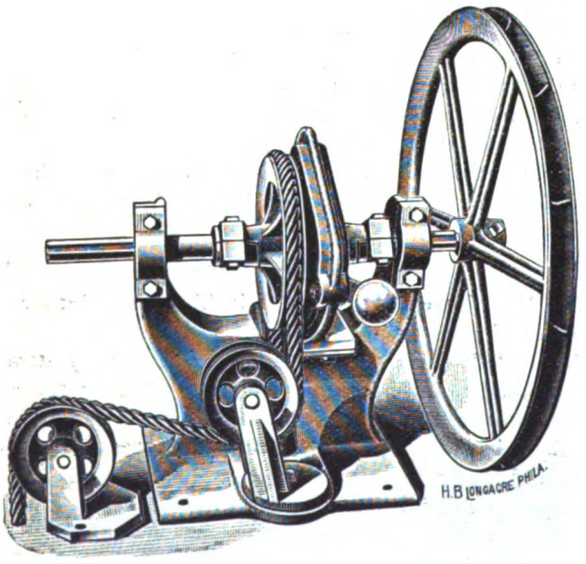


FIG. 1.

and 500 pounds capacity. Figs. 1 and 2 show the smallest size dumb-waiter, the machine proper and the regular residence dumb-waiter respectively. The machine, Fig. 1, consists of a strong cast iron frame with an arm extending upwards at either end, and forming the journals for the driving shaft. This latter carries the hoisting sheave in connection with the automatic friction brake and the hand rope wheel. The hoisting rope is brought up from the car, Fig. 2, through a hole in the centre of the base of the machine, over the hoisting sheave down to the swivel guide, and over another idler sheave to the balance weight. An endless hand rope is laid over the wheel in front, and pulling one side of it will raise the car, while pulling the other side will lower it. There is no brake rope required with these machines. The bearings are either anti-friction roller or self-lubricating graphite bearings, thus dispensing with the oiling. The brake is automatic, very powerful and reliable, and will hold the car safely at any point of the lift, no matter how heavy the load may be. The speed of the car is about 100 feet per minute, depending somewhat on the size of the hand rope wheels, which are made from 16 inches to 30 inches dia-

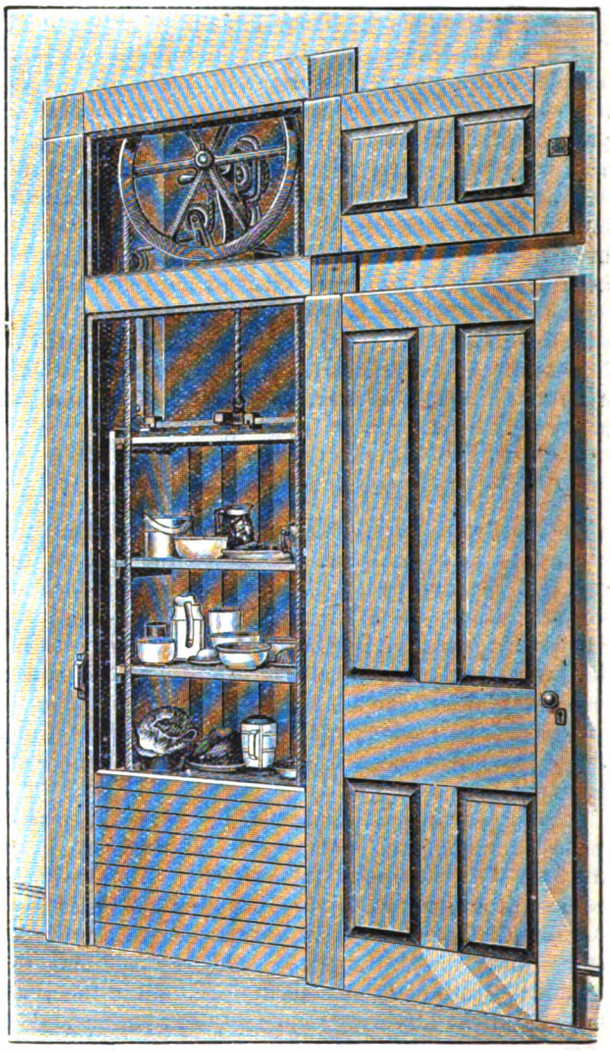


FIG. 2.

meter, corresponding with the width of the car. Another feature in favor of the machine is the ease with which it can be put up by any ordinary house carpenter, being self-contained and having all the sheaves and bearings form part of the main frame. No portion can be placed in a wrong position or become loose after being in use for some time. There are several hundred of the Columbia Safety Dumb-Waiters in use in all parts of the country, giving, we are told by the makers, entire satisfaction.

H. G. Higgins, of H. G. Higgins & Co., No. 19 Pearl Street, Boston, has been on a visit to his many friends in New York. He reports business as good, especially in the line of hickory handles. In this line, he says that they do not compete with the cheaper grades, that they keep up the standard, and have no connection with any combination.

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The Manufacturers' Convention.

The first annual convention of the National Association of Manufacturers of the United States, which was formed in Cincinnati last year, concluded a very successful session in Chicago. About 300 manufacturers were present, representing a number of lines of industry, among which Hardware was quite prominent. The meeting was presided over by President Thomas Dolan, who in his opening remarks declared that the time had come when the manufacturers of the United States should stand together for the defence and promotion of their interests. A number of committees were named, and the report of the executive committee showed that the Association was in excellent condition. A number of reports were presented, and the following resolutions were unanimously adopted.

Resolved, That for the purpose of making practical the principles announced by this Association the executive committee, as provided for under the constitution, be and is hereby empowered to perfect and carry out such plans, to establish such permanent agencies as may in its judgment be best calculated to secure for the manufacturers of the United States the favorable results contemplated by the formation of this organization; and, to this end,

Resolved, That the membership of this Association pledges to the executive committee its moral and material support and confers upon it authority to make such expenditure within the limit of funds at the disposal of the treasurer, as may be best calculated to accomplish the ends aimed at by this Association.

When the election of officers occurred, Mr. Dolan declined to stand for re-election as president, and Theodore C. Search, of Philadelphia, was elected to that position amid great enthusiasm. Mr. Search is head of the John B. Stetson Hat Co., of Philadelphia. Robert Laidlaw, of Cincinnati, was elected treasurer, and E. P. Wilson, of Cincinnati, secretary, and the following vice presidents were chosen to represent the states named: H. L. Story, California; W. Hastings, Delaware; J. B. Kirk, Illinois; J. B. Hoard, Michigan; L D. Kingsland, Missouri; B. Atha, New Jersey; T. P. Egan, Ohio: J. H. Converse, Pennsylvania; F. W. Sivyer, Wisconsin; Pliny Jewell, Connecticut; J. F. Hanson, Georgia; P. E. Studebaker, Indiana; E. W. Lovejoy, Massachusetts; M. C. Peters, Nebraska; Warner Miller, New York; L. D. Cole, Oregon; C. D. Mitchell, Tennessee.

The executive committee were authorized to fill vacancies. The new executive committee was declared to be composed of the officers, the vice presidents of New York, Ohio, Missouri, Wisconsin, Indiana, Pennsylvania, Massachusetts, Iilinois, New Jersey, Michigan, Connecticut and California, and four members at large to be hereafter appointed.

The report of the committee on resolutions embodying action in asking a uniform classification of freight from the interstate commerce commission aroused a heated discussion. It also advocated the establishment of an industrial exposition in the City of Mexico; that a department of manufacturers be established under a secretary of equal rank with the secretary of agriculture; that the inequality of traffic conditions in various states be investigated and righted if possible, and that the Senate of the United States be earnestly requested to pass promptly and send to the President the revenue bill lately adopted by the House of Representatives.

Philadelphia was chosen unanimously as the next place of meeting.

President Crespo, president of Venezuela, recently instructed his New York agent to purchase for use in his family "two of the finest bicycles made in this country," to quote from the President's letter. On the steamer which sailed from New York, January 13th for South America, were two Monarch Models No. 40, in fulfillment of above order.

The "Herald" and Hardware.

The New York *Herald* has secured views from leading business men in all parts of the country as to the prospects for Spring trade. Those that relate to Hardware are here given:

Hardwaremen in nearly every section of the country speak hopefully of the outlook in their line of trade. From some cities extensive buying is reported as having already commenced, and in others there are indications that it is not far off. The views of prominent dealers in metal as given to the *Herald* are:

Mr. Laighton, of the Russell & Erwin Mfg. Co., this city, said: "We have every reason to believe that there will be good business in the Spring. The farmers are comparatively prosperous, the railways are doing good business, and there seems to be a general desire through the country to make the most of the improved conditions. We have to do with the domestic trade principally, and we can see signs of returning confidence. It is to be regretted that financial confidence is not restored, but we are hoping for some comprehensive action by the government which will take away this nightmare from which we have been suffering so long. Were this done it would be very easy to predict the future with certainty."

Charles F. Dowse, Boston, Mass.: "The unsettled state of the money market makes many somewhat timid; still we have taken larger orders for spring delivery in certain lines of goods than ever before, and with the present firmness of the iron market, and harmony among the nail manufacturers, we have great confidence that the business success of 1896 will be above the average."

W. W. Supplee, Philadelphia, Pa.: "The latter part of 1895 and the beginning of the new year found the Hardware trade in a healthy condition, and taking as a criterion the returns of our salesmen, who are making their first calls on customers for the spring business, the outlook is very satisfactory. The only demoralizing condition that seems to confront us is the unfortunate position of the Treasury Department in continually needing gold."

J. H. Humphrey, St. Paul, Minn.: "We have been gratified with our increased sales for the season. Our inquiries from the country indicate a satisfactory spring trade."

Adolphus C. Bartlett, Chicago, Ill.: "We could do a larger business than we are now doing, but this is because it is between seasons. In the spring we anticipate a better trade, not because conditions will be so much improved, but that stocks will be low in the houses of the country and smaller dealers, and will consequently need replenishing."

C. T. Jenkins, Baltimore, Md.: "In this section the year has opened very favorably and the outlook for spring business is more than promising. Baltimore, as a Hardware market, is dependent almost entirely on the Southern trade. The conservative policy pursued by the merchants in their purchases during the past year resulted in broken stocks—stocks so low, in fact, as to show empty shelves. Dealers are now placing orders freely."

John Bindley, Pittsburg, Pa.: "The rapid advances of last summer brought about a natural reaction. This is correcting itself, and as soon as merchants feel that prices have reached their natural level, buying will set in. This should give us a good year."

William R. Belknap, Louisville, Ky.: "So far as we can tell, Louisville will do a big business next spring in our line. The cotton crop was a profitable one, and our business is altogether in the South, which is now in a better condition than any other part of the country. Our salesmen are sending in encouraging reports, and collections are excellent."

HARDWARE costs only One Dollar a year.

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ILLUSTRATED BICYCLE NOVELTIES.

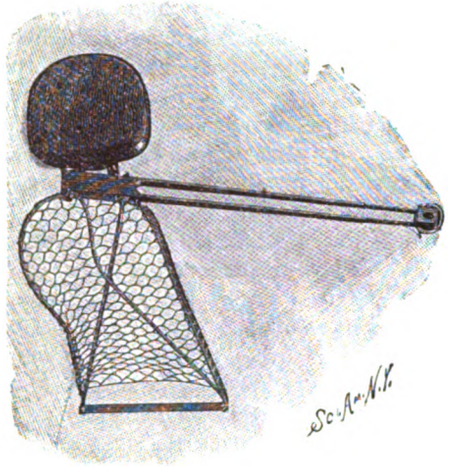
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

A Bicycle Side Saddle.

Henry A. Lederle, Traverse City, Mich., is introducing a contrivance, which is here shown, to facilitate carrying on the ordinary wheel a passenger in addition to the one who



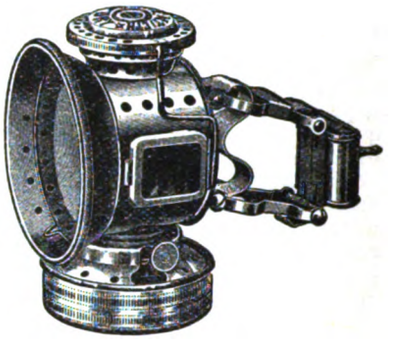
is propelling the machine, and to hold a lady's skirt from coming in contact with the wheel. It consists of an elongated clip frame attachment, shown separately in the small view, and composed of two parallel rods joined at the front by a block, and connected to the rear upright by a clip bolt, the front portion of the frame resting on the collar of the bicycle frame. Securely attached to the front of the clip frame is a transversely bent spring extending to one side, on which is a seat, while bolted rigidly to the opposite side of the clip frame is a skirt and leg support composed of a



frame work of metallic rods, over which is secured wire gauze or netting. This support extends rearwardly and outwardly from the side of the machine, and curves downwardly from the clip frame, to conveniently support the limbs and skirt of the person on the forward seat and afford such a balancing of the weight as will prevent undue tensional strain of the parts and avoid liability of breaking or bending.

The Twentieth Century Headlight.

The Betts Patent Headlight Co., No. 10 Warren Street, New York, are offering the trade the popular Twentieth Century Headlight, as shown in the accompanying cut. Col. L. F. Betts, the inventor of the lamp, has been en-



gaged in the lamp and headlight business for over forty years, and he is responsible for many of the improvements made in these lines. He is patentee of the tubular street and driving lamp, and his latest invention, the Twentieth Century Headlight is fully up to date. It has been patented in the United States and in nearly every foreign country. The special features of the headlight are numerous, it being built on an improved order of locomotive headlights, having no lens, but a great reflecting power. It burns kerosene oil, which is very easily obtained. By the arrangement adopted in the oil well, it is remarked, that it will not spatter and the wind or the jar of the wheel will not extinguish the flame. The bicycle attachment spring is instantly attached or detached from the headlight as well as bicycle, and in place of this spring can be used the driving attachment, which fastens the lamp at any angle on the dashboard or side irons of any vehicle. On account of its small size and handsome appearance it is becoming very popular as a driving lamp. When detached from bicycle or vehicle it makes a very handy hand lantern, by simply unsnapping the bail wires from under the body of the lamp, the wire acting as a handle. Each headlight is supplied with an extra ruby-colored front glass, which can be substituted for the clear glass as fancy dictates. They are also supplied with a gossamer hood or cover to protect it from dust or weather. They are furnished in aluminum, bronze and nickel finishes.

A New Nipple Wrench.

The Knapp & Spalding Co., Nos. 212, 214 and 216 Pearl Street,



Sioux City, Iowa, are placing on the market the Nipple Wrench shown in the accompanying cut. It is made of tool steel, and is designed for use in putting on rims and truing bicycle wheels. The work is done entirely on one side of the wheel, and the wrench is intended to fit any

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size nipple, and is always adjusted. It is remarked that the wrench is made on the plan of the Alligator and the Always Ready wrenches. The wrench is furnished in plain finish, also nickel-plated.

Minute Repair Kit.

The New York Bicycle Equipment Co., Nos. 17 and 19 Park Row, New York, are introducing the Minute Repair

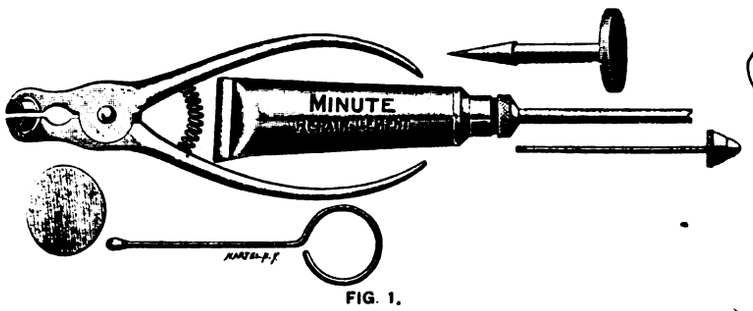


FIG. 1.

Kit as shown in the accompanying cuts. Fig. 1 shows the implements composing the kit; Fig. 2 represents the intruding tack that has made the puncture. The following are the directions given for repairing the puncture: Find the puncture, and inflate the tire to riding pressure, holding thumb meanwhile over puncture; then insert the tool, being careful not to prick the opposite side of the inner tube, Fig. 3. Withdraw the pin but not the pliers, being

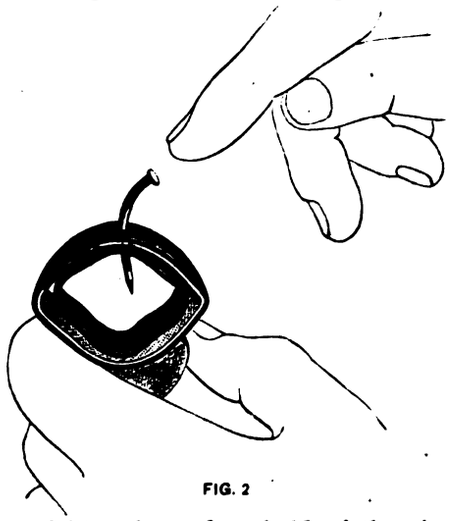


FIG. 2

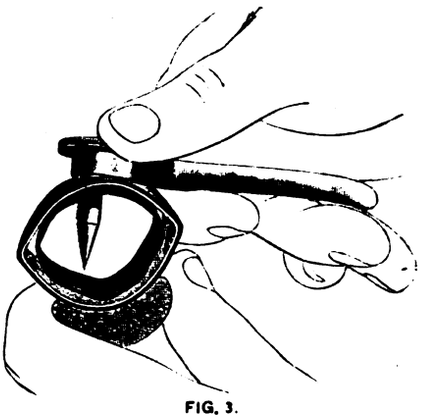


FIG. 3.

careful to take a firm hold of the pin to avoid accident, leaving the pliers in and through the tire, allowing the tire to deflate, Fig. 4. Place the patch, cloth side down, centered on top of the opening in the pliers and with the plunger push it through to the bottom wall of the tire, at the same time resting the pliers on the lower wall of the

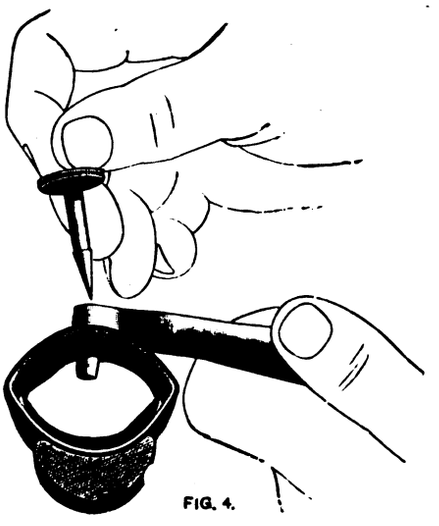


FIG. 4.

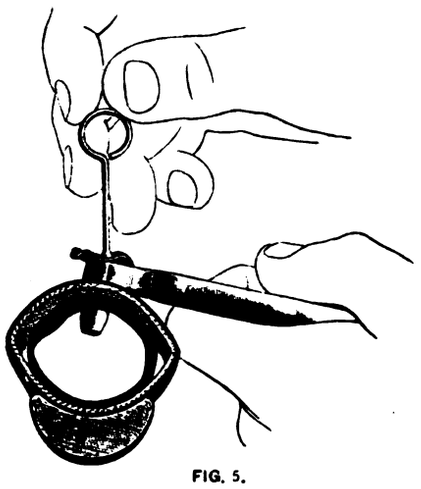


FIG. 5.

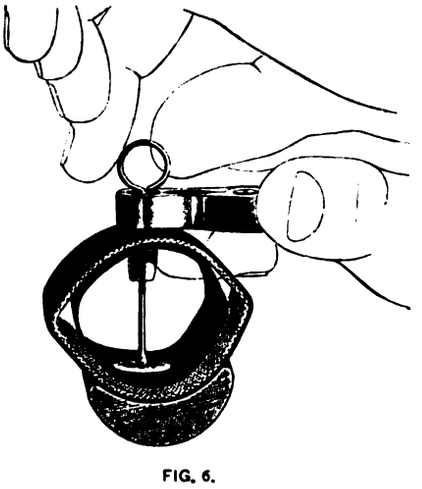


FIG. 6.

tire, to facilitate the easy introduction of the patch, gently force the pliers slightly apart, Fig. 5. When the patch rests on the bottom of the inner wall, hold the patch firmly in place by pressing down the pliers, and withdraw the plunger, Fig. 6. Insert the cement nozzle, with it keeping the patch in place, then raise the pliers slightly and squeeze a small quantity of cement on the patch. Lower the pliers once more against the patch, while withdrawing the cement nozzle, Fig. 7. Still holding the pliers firmly against the

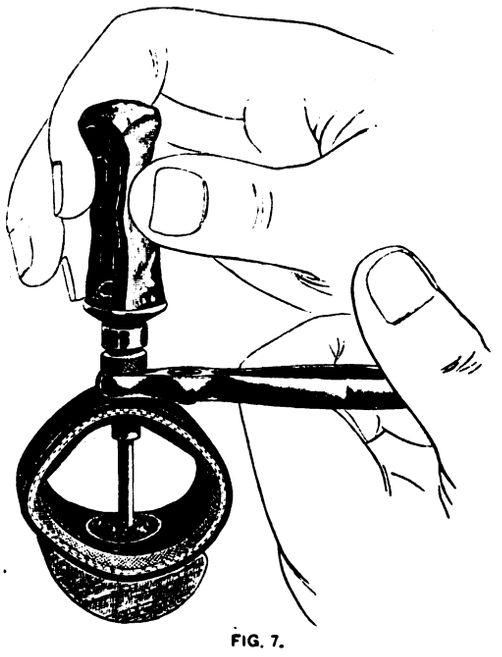


FIG. 7.

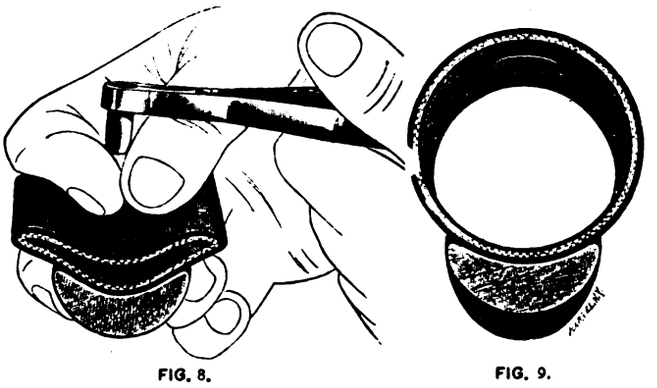


FIG. 8.

FIG. 9.

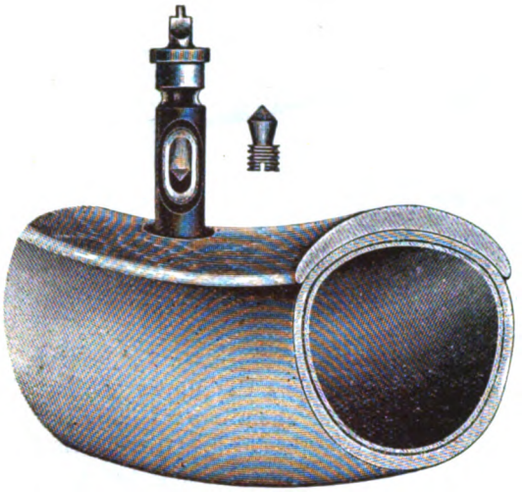
patch, press with the fingers the upper wall of the tire against the patch, remove the pliers retaining the pressure of the upper wall of the tire against the patch for a few seconds; then inflate the tire, holding the thumb firmly over the puncture until fully inflated, Fig. 8. Fig. 9 shows the patch in place and the tire completely repaired. The manufacturers remark that the kit is highly polished and nickel-plated, and put up in a neatly decorated tin case, with full instructions with every outfit, and will easily fit in any tool bag.

Ives Speed Tire.

The Mechanical Rubber Co., Cleveland, Ohio, are putting on the market the new Single Tube Tire, cut of which

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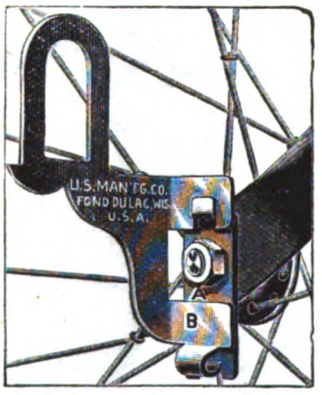
is herewith shown. It is known as the Ives Speed Tire. The company remark that the features of this tire are in its new and novel arrangement of thread fabric, laid in such a manner that a great amount of resiliency, life and speed is obtained. It is further stated that this valuable inven-



tion, together with the company's improved methods of molding tires to yield the greatest possible service of rubber and fabric, will no doubt be fully appreciated by the riding public, and this tire will be in great demand the coming season. Next in importance to perfect fabrical construction in a tire for comfort in riding, and ease of repair, is a perfect valve. This the company have in the well-known I. C. valve, manufactured for them and the trade by the Clark Novelty Co., Rochester, N. Y.

U. S. Detachable Lamp Bracket.

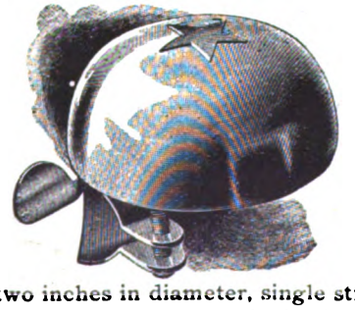
The U. S. Mfg. Co., Fond du Lac, Wis., are offering the U. S. Detachable Lamp Bracket herewith illustrated. It is made from cold-rolled open hearth steel, nickel-plated, and is held in place by a strong spring catch at the lower



end. It is remarked that the bracket B is instantly removed with the lamp, leaving only the small clip A attached under the axle nut, shown in cut. The bracket is left in the lamp and both are put on or removed together. The bracket sells for twenty-five cents.

Star Bicycle Bell.

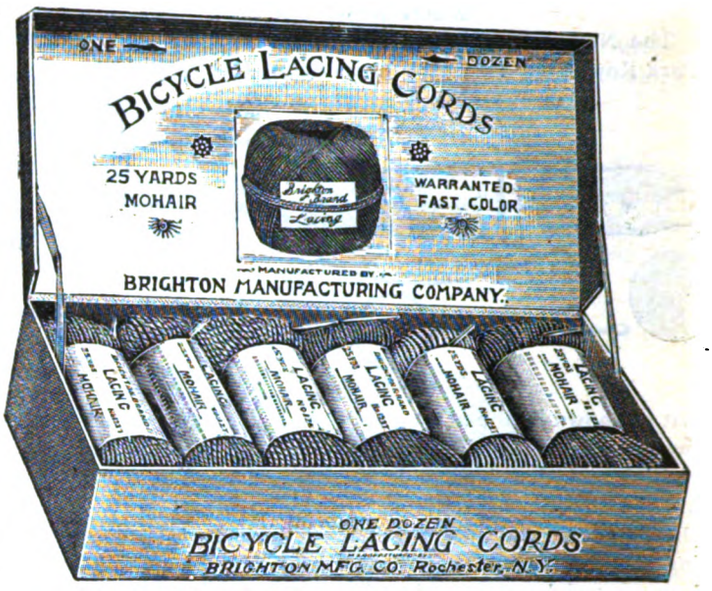
The Bridgeport Gun Implement Co., Nos. 313-315 Broadway, New York, are offering the Star Bicycle Bell shown



here. It is two inches in diameter, single stroke, and is referred to as having a clear tone and a loud note. Each bell weighs three ounces, having a star stamped on the top, and is, it is remarked, of strictly high grade at a low price.

Lacing Cord for Dress Guards.

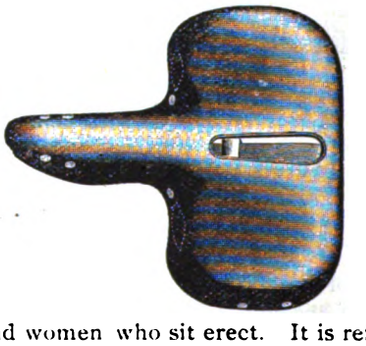
The Brighton Mfg. Co., P. O. Box 1395, Rochester, N. Y., are offering Bicycle Lacing Cord for dress guards on ladies' wheels. The makers remark the cord is a braided mo-



hair and is much more durable and fully as handsome as silk. The advantages of this method of putting it up are that the smaller dealers can have a large assortment of colors at a reasonable expenditure, while the "tipped ends" render the lacing of a wheel easy. The cord is known as the No. 125 T. mohair and is put up in one dozen assorted styles.

Bridgeport Bicycle Saddle.

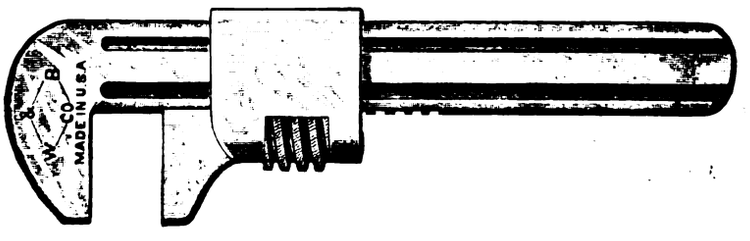
The cut here shown represents a Saddle offered by the Bridgeport Gun Implement Co., Nos. 313-315 Broadway, New York. The makers remark that the saddle is not constructed for racing, nor for riders who use drop handle bars, but is designed to produce a comfortable seat for road rid-



ing for men and women who sit erect. It is referred to as being made upon strict anatomical lines, the design being original and the model built under the supervision of a well-known rider and business man. The saddle is made in two sizes, adapted to both men and women, and weighs 18½ ounces.

Diamond Bicycle Wrench.

The Whitman & Barnes Mfg. Co., No. 111 Chambers Street, New York, are placing on the market the Bicycle Wrench shown by the accompanying cut. It is drop forged

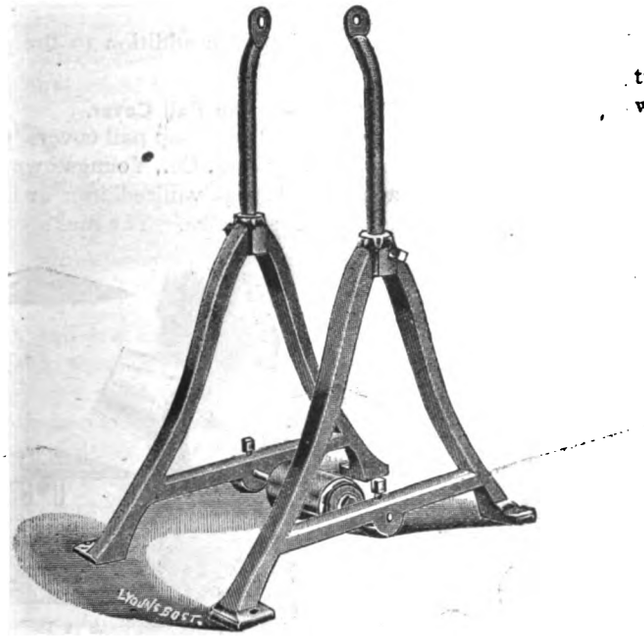


from a good quality of steel, nickel-plated, and measures 5½ inches over all. The opening between the jaws is 1⅛ inches, and the wrench weighs 6 ounces. The jaws are thin, quick-acting, and the wrench, we are informed, is being favorably received by the trade.

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The Quincy Home Trainer.

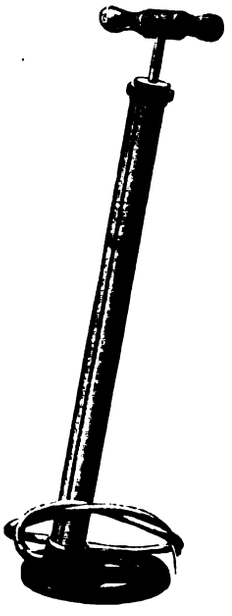
The Quincy Cycle Co., Quincy, Mass., are offering a Home Trainer, as here shown. In use the rear axle of the bicycle is inserted in the standards, and then fastened by



screwing up the axle nuts. The tire rests on the ball-bearing roller. Friction is increased or diminished by lowering or raising the standards, which are secured by set screws. The machine is adjustable to any width of axle, it is explained, by setting it in or out on the roller axle.

Tornado Pump No. 1.

The Davis & Stevens Mfg. Co., Seneca Falls, N. Y., are placing on the market the Tornado Pump No. 1 as shown here. It has a stroke of twenty inches operating in a cylinder two inches in diameter and twenty-two inches long made of heavy brass tubing, nickel-plated. The pump is designed for filling air tanks and inflating pneumatic tires, and is referred to as a desirable pump for shop use. If desired, the pump will be fitted with an air cock for filling tanks. It may also be used for drawing liquids under pressure.



The Standard Machine Co's. Lamp Brackets.

The Standard Machine Co., Nos. 80 and 82 South Market Street, Chicago, Ill., are offering the Lamp Bracket here shown. It is remarked that it is easily adjusted, light, durable, and at the same time, strongly constructed, and that it can be fitted to either the head of the wheel or front



FIG. 1.



FIG 2.

forks. Fig. 1 is a back view as attached to head of frame. Illustration to the right of this cut shows the T-hinge or swivel upon which the parts turn. Fig. 2 is also a back view showing the rear half circle reversed and nested with-in the front part, thus changing to position on fork by simply removing the finger nut. It is remarked that the real article looks much neater and more simple than the cuts would indicate.

Self-Locking Sprocket Lock.

The Smith & Egge Mfg. Co., Bridgeport, Conn., are introducing the Sprocket Lock, cut of which is given herewith. The manufacturers remark that this is the latest



sprocket lock placed on the market. The shackles are of steel, and it is stated cannot be cut by ordinary nippers. The springs are of phosphor bronze and the shells of wrought brass, and it has four tumblers, making it impossible, it is stated, for the lock to be picked or jarred open. Two cold-rolled steel keys are furnished with each lock.

Buffalo Hardware Dealers Organize.

For the purpose of promoting the general interests of the retail Hardware trade of that city, the Buffalo Retailers' Hardware and Tinners' Association has been formed, with the following officers: President, Charles J. Fix, of Fix & Roty; vice-president, J. F. Berner; secretary, G. Ballen; treasurer, J. G. Dobmeier.

A Hardwareman's Memory.

Excuses given by those called for jury duty, by which they seek exemption from serving, are somewhat varied. One of the men called in the court of sessions to-day asked Judge Moore to excuse him as his memory was very poor.

"Can't you remember anything at all?" asked his honor.

"No, sir," was the reply. "I can't remember anything for five minutes."

"What is your business?"

"Hardware, sir."

"Don't you remember the prices you ask for your goods?"

"They are marked so I can see them," was the reply.

"If a man told you to-day to send him $1000 worth of goods to-morrow, wouldn't you remember to do it?" asked the court.

"No, sir," was the response.

"Just sit down over there and we'll see if we can't give your memory a test."

The juror was still waiting when court adjourned.—*Brooklyn Eagle.*

The suit brought by the Spring Curry Comb Co., of South Bend, vs. F. E. Kohler & Co., in February, 1892, in the United States Court at Cleveland, was last week dismissed for non-prosecution. It is learned that the case of F. E. Kohler & Co. vs. Worthington Co., for handling spring curry combs made by the South Bend firm is being pushed to an issue as rapidly as possible.—*Canton (O.) Repository.*

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

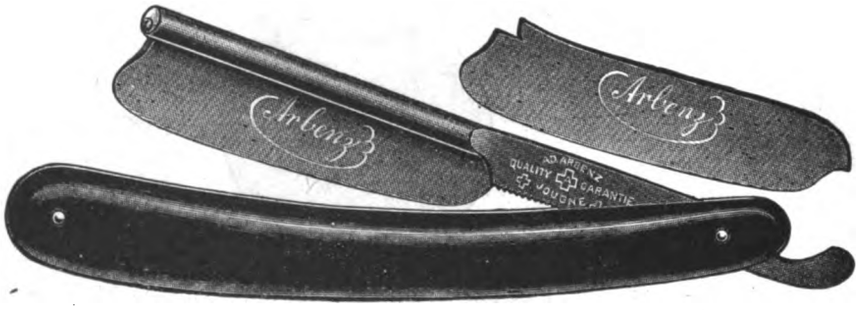
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Arbenz' French Razor.

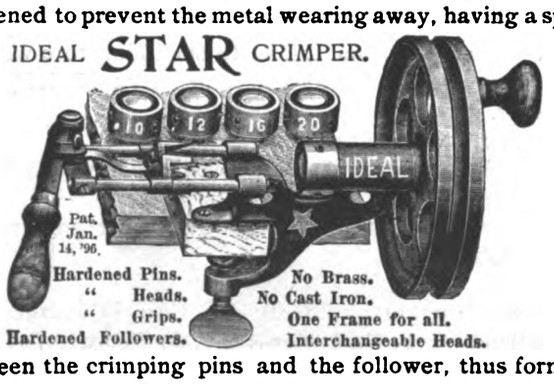
Accompanying this is an illustration of the Arbenz' French Razor, for which McIlwaine, Linn & Hughes, No. 122 Chambers Street, New York, are sole agents for the United



States. This razor is described as "the best, most reliable and cheapest high class razor in the world, and is made with interchangeable blades, as shown in the illustration, so that in the event of accident or injury to one blade, another can be put in its place by simply operating a small screw at the end of the frame, as shown. It is said that these blades, made of the very best English steel, forged very thin throughout, and hardened and tempered to the highest degree of perfection, will retain a keen edge for an incredible period, and with fair usage will last a lifetime. Should they become accidentally notched, they can be easily reset, time after time, even by an amateur, as the process is so simple, and the blades never require grinding and need but very little stropping to keep them in perfect order, and are adapted to all beards. Each razor is handsomely cased, with an extra blade, and additional blades can be obtained if required."

Star Crimper.

The Ideal Mfg. Co., New Haven, Conn., are offering the Crimper, cut of which appears herewith. It is made especially for the application of power, and may be attached to a sewing machine bed and run by foot power or otherwise. The machine forms a square crimp, and having an inside pressure follower, permits of interchangeable heads and followers. Only one frame is required for 10, 12, 16 and 20 gauge, and the heads, pins, followers and grips are all hardened to prevent the metal wearing away, having a space



between the crimping pins and the follower, thus forming a ragged crimp. It is remarked that the feed is a positive straight line, it taking all lengths of shells and not bending them; the lever and grips are detachable, and the balance wheel is heavy and the bearing and journal is long, insuring greater length of service and steady running. There are three screws used in the crimper in addition to the clamp, to secure it firmly to the bench.

The Youngstown Sap Pail Cover.

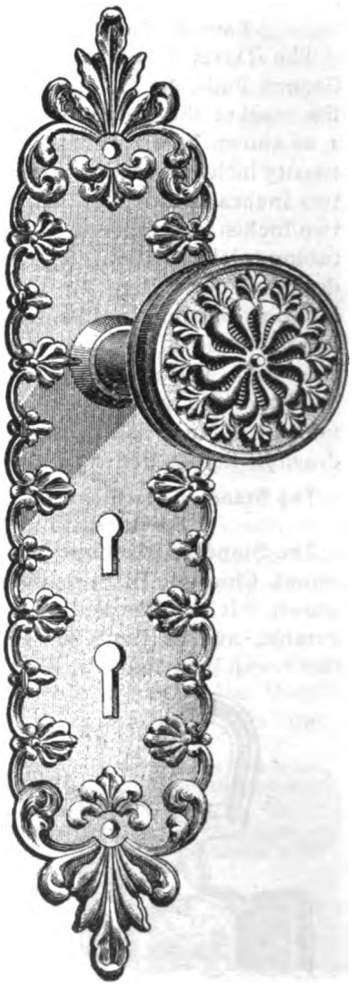
The accompanying cut relates to sap pail covers, offered by the Youngstown Specialty Mfg. Co., Youngstown, Ohio. The covers are made of either galvanized iron or tin, and the hinge is made of galvanized wire. The makers remark



that the cover can be attached to any tin or galvanized sap pail, that they will not blow off or open when attached to the pail, and that when gathering the sap the cover will open and fall back into place as the pail is tipped. The cover is designed to retail at five cents. The company also manufacture tin and galvanized sap pails in 12, 14 and 16 quart sizes.

Empire Design Lock Trimmings.

The Mallory-Wheeler Co., New Haven, Conn., and No. 18 Murray Street, New York, are placing on the market a new design of Lock Trimming of the Empire school, styled L design, as here given. The design is furnished in bronze and in antique copper finish on bronze and iron. The design, it is stated, will not be made in light bronze plate or in imperial finish. A full line will be offered, including front door sets, inside door sets, sliding door sets, flush sash lifts, etc.

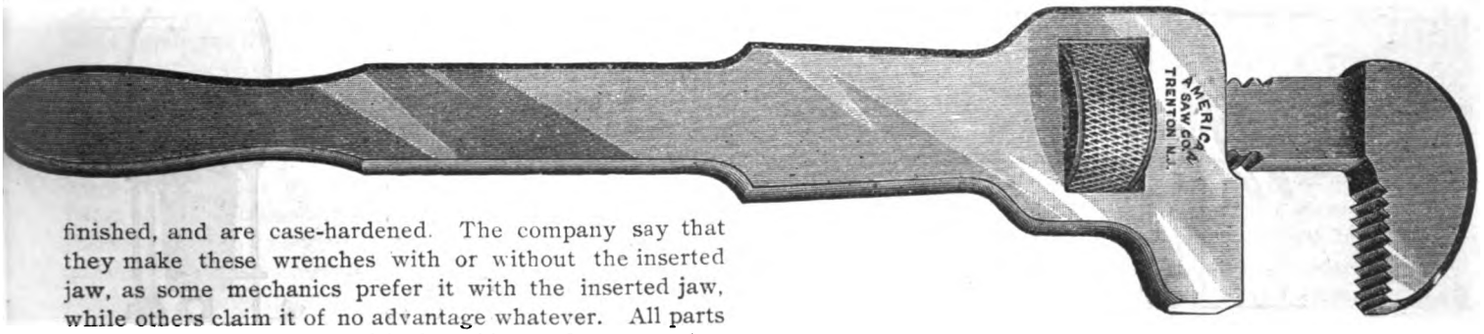


The Stevenson Wrench.

The American Saw Co., Trenton, N. J., are offering the Stevenson Wrench as shown in the accompanying cut. The main body of the wrench is hollow its entire length, into which is inserted the threaded shank of the movable jaw. The back and forward walls are far enough apart to allow the rear end of the threaded shank a rocking movement, of limited extent, so that when power is applied to the handle it causes the jaws to move toward each other, thereby gripping the pipe firmly, while a backward move-

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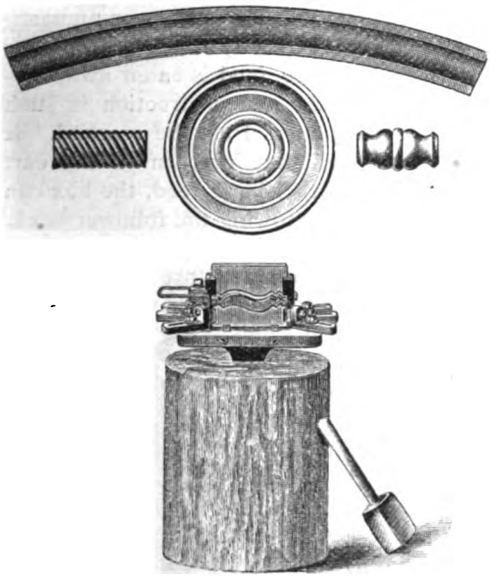
ment of the handle releases the grip. It is remarked that the wrench is made in the best manner, of the best materials known for the purpose. The jaws are of cast steel, polished and tempered. The thread upon the shank of the movable jaw is made by a new process, is absolutely smooth, and of such shape that stripping is an impossibility; the nuts are of soft bar steel, neatly knurled and truly



finished, and are case-hardened. The company say that they make these wrenches with or without the inserted jaw, as some mechanics prefer it with the inserted jaw, while others claim it of no advantage whatever. All parts are neatly finished and polished, making a fine appearing and attractive tool. It is pointed out that in its construction the inventor has avoided the use of swinging frame, springs and rivets, wooden handle, ferrule and nut, etc. (which are objectionable features), and has produced a tool as simple and yet as efficient as any made in this or any other country. The following advantages are claimed for the wrench: That it never loses its grip, does not crush the pipe, never loses the handle and never locks upon the pipe. They are made 6, 8, 10, 14, 18, 24, 30 and 48 inches long.

The Raiser.

The Tinners' Machinery & Supply Co., No. 26 Cliff Street, New York, are offering the Raiser as shown here. It is designed for hammering out circular work for cornice makers' use. It consists of a heavy iron base with a groove in the centre to hold the uprights and dies on which the work is formed, these uprights being grooved to hold the top and bottom dies in position. There are also two gauges, one on each side, which can be swiveled and set at any desired angle. The bed or support can easily be secured in a work bench or block hole. In operation the



sheet metal is passed between the dies while the upper die is being struck with a mallet, the sheet being again and again passed through the dies, the impression being deepened at each operation, slow and light strokes being given for the first passage. If long pieces of work are operated on, it is convenient to use the wire rest, which can be adjusted to proper height in the holes in the bed and fixed in position by set screws. It is adapted to circular work of small diameters, for which the horseshoe attachment accompanying the machine is used. The side guides or shapes may be made of No. 20 sheet iron, and when the shape desired is not provided for in the accompanying dies it is only necessary to bend a one-inch wide strip of metal to the size and profile desired, place it in the pan and pour the metal thereon. The machine weighs when boxed 110 pounds. With it are furnished a full line of illustrations of patterns and rules for laying out and cutting different styles of circular work, together with and rules for casting dies of plaster of paris to be used as patterns for casting iron dies. The attachments include ten sets of iron dies, eight side shapes, one set sinkedge dies, one steel horseshoe, one wrench, one mallet, one mould for casting dies.

Herrick's Shaving Cabinet.

F. A. Herrick & Co., Jackson, Mich., are offering the trade the Shaving Cabinet, illustration of which appears here. It is 12 by 24 inches in size, made of oak well finished, with an 8 by 10 inch mirror hung on double acting hinges to allow it to be adjusted to any desired height. The mirror door is provided with a spring catch and is opened from the inside. The drop door, when open, provides a place for the necessary articles when shaving and is fastened by a spring lock when closed. The shaving articles, when not in use, are kept on shelves within the cabinet and the swinging strop, and out of the way when the cabinet is closed. The claim is made that with the use of the cabinet a man's shaving utensils may always be found in their proper place and where no one can molest them; also that the cabinet is equally adapted for ladies' toilet.

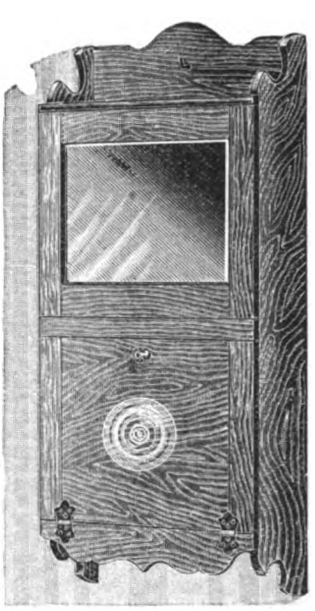


FIG. 1.

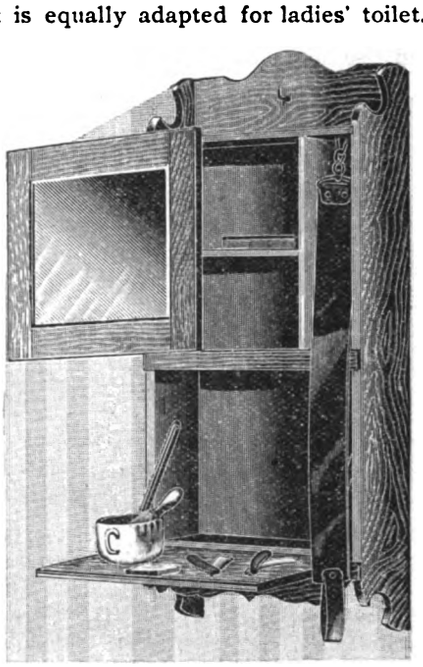


FIG. 2.

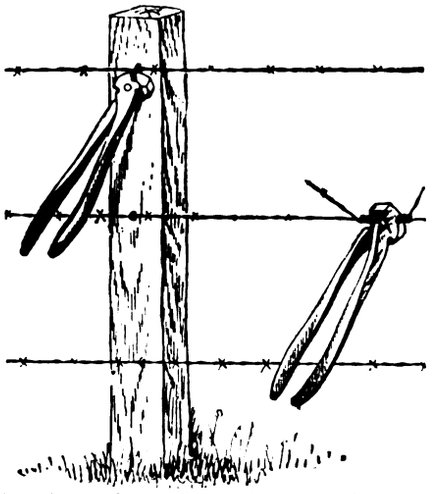
The manufacturers remark that the article is suitable for the holiday trade.

The Russell Staple Puller and Wire Splicer.

The Russell Hardware & Implement Mfg. Co., Kansas City, Mo., are placing on the market the Russell Staple Puller and Wire Splicer, cut of which is shown herewith. It is made of tool steel, warranted by the manufacturers to stand any test in the line of work for which it is intended.

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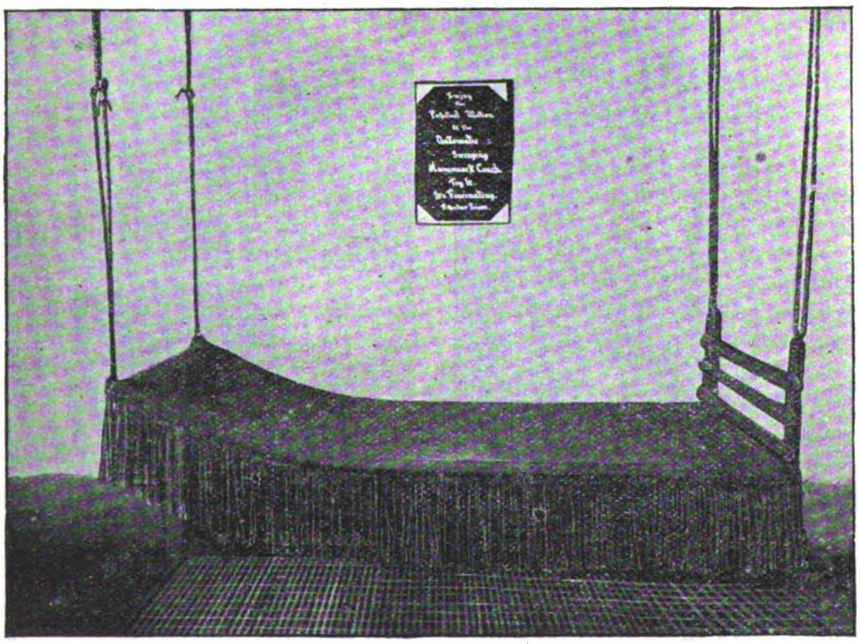
It is designed for driving and pulling staples, cutting and splicing wire, and for doing nearly all the work connected with building, removing or repairing wire fences. The jaws of the tool are provided with a recess to receive one of the prongs of the staple when pulling it from a post. In



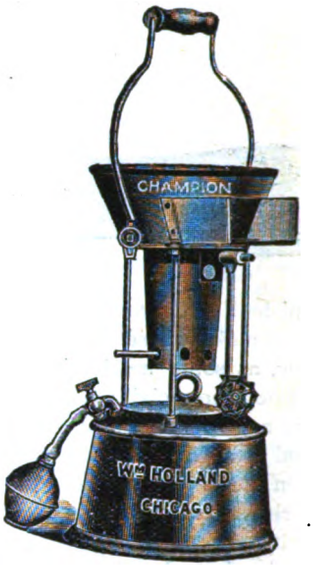
splicing wire the ends are brought towards each other until they lap four to six inches, when they are grasped by the pinchers, as shown in the cut, and the loose ends are wound around the main wire on both sides of the tool. For the use of the hammer, pincher or wire cutting parts of the tool no directions are necessary.

Automatic Swinging Hammock Couch.

The Travers Bros. Co., No. 107 Duane Street, New York, as sole agents for the James Beam Co., are introducing the Hammock Couch here represented. It is made of a frame of hard wood, strengthened its entire length with bands of iron. The frame is covered with duck or cloth in solid colors, the device being strong enough, it is remarked, to support the heaviest of persons. A footboard of slats is attached to the frame with hinges so that by a gentle pressure of the foot against the slats a perpetual lengthwise motion is obtained without effort. The hammock can be hung, it is explained, where any other hammock can be and also in places where the ordinary hammock cannot be



suspended. It is adjustable any height by patent cleats attached to the ropes, and can be drawn up out of the way when not in use. The point is made that at a small additional cost feet are attached, making it a stationary couch. The manufacturers state that the hammock has among others the following points of excellence: That it is stronger and cooler than the ordinary form of hammock; that it does not compel the occupant to assume an unnatural position by elevating the feet and head above the centre of the body; that it requires no pushing or pulling to get it in motion, as the pressure of the foot of the occupant sets it going; that it is as comfortable as a couch, shaping itself to the body; that it does not entirely envelop the body and muss the clothing, and that it can be lowered near the floor for the use of children without fear of danger. The hammock weighs about ten pounds and is made with ropes and cloth matching in color, in two qualities of cloth with or without fringe. Pillows to match are furnished if desired.



Champion Tinners' Furnace.

Wm. Holland, Nos. 56 to 60 South Canal Street, Chicago, Ill., is placing on the market the Tinners' Furnace illustrated here. It contains few parts and these are interchangeable with the H. J. & C. furnace. It is described as serviceable, strong, durable and well made. It is remarked that all the parts are made of the best materials suitable for the purpose. The price of the furnace is $6.00.

National Feed Box.

The National Feed Box Co., Detroit, Mich., have brought out the National Feed Box, as shown in accompanying illustration. The box is made of galvanized steel, with a dish shaped follower of the same material, which moves up and down on a guiding rod, and rests on top of the portion of oats or other feed. In the follower is a round hole or opening, five inches in diameter, with three bars across it, so that feed can be reached only through this aperture, permitting the animal to take up only the amount of oats or grain that can be gathered with the lips through the spaces. This results in the taking of small mouthfuls, eating more slowly and practically operates to prevent the swallowing of whole grains or unmasticated food. Gravity causes the follower to drop as the food is eaten away beneath it, and its construction is such that every morsel can be reached. It is remarked that for corn on the ear, carrots or other large feed, the box can be used by throwing the follower back, and the box can be utilized for a watering pot. Another feature alluded to by the manufacturers is that getting the provender in small quantities the animal is kept from slobbering or tossing material out of the box thereby preventing waste.

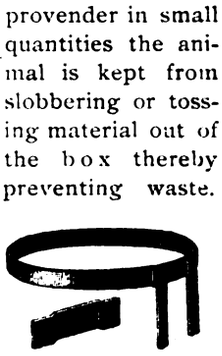




Fig. 1 shows the feed box as in use. Fig. 2 shows the supporting ring and wrought strap for attachment to manger, horse post, etc., extra straps being furnished if it is desired to use in several places. The boxes are made in three sizes, holding 6, 8 and 14 quarts each. William A. Powell, No. 63 Park Place, New York, is Eastern agent, having New England, New York, Pennsylvania and Atlantic Coast Southern States.

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BICYCLE ANNOUNCEMENTS FOR 1896.

The White Sewing Machine Co., manufacturers of the White bicycle, Cleveland, Ohio, have gotten out an artistic catalogue illustrating their line of wheels for 1896, in which "The Woman In White" occupies a prominent position. The front cover shows a lovely country landscape and a beautiful damsel attired in spotless white, coasting down the hill on one of the company's machines. The centrepiece of the catalogue represents a scene in Central Park, showing horsemen, etc., and the general life on the driveways, with two girls in natty white bicycle costumes, mounted on White wheels. The book is enriched in many places by colored illustrations, the subjects being "Lovers Will Meet," "The Postman's Welcome," "The Doctor's Hasty Call," "Central Park New York Now," "Vassar Girls Exercising," "The Family's Country Outing," and the "White Girl Coaster." An illustration of the factory at Cleveland is also shown. The company say: "In illustrating and describing the bicycle production of this company, it is appropriate that reference be made to our manufacturing facilities. It is conceded that our factory is more completely equipped with modern machinery than any other similar establishment in the United States; also that our thirty years' experience as manufacturers of high-grade sewing machines, warrants the conclusion that in the building of bicycles we will maintain the highest standard of excellence." The White line consists of four wheels, model A and model B listing at $100, and model C and model D listing at $75.

The Defiance Bicycle Co., Defiance, Ohio, manufacturers of the Wheeler bicycles, will have three models on the market for 1896: Model A, model B, and the lady Wheeler. The company say: "The great success which attended the efforts of Clark, Holgate & Co. during the season of 1895, in placing upon the market a strictly high-grade bicycle, has led to the enlargement and incorporation of the company, under the name of the Defiance Bicycle Co. With a recently built, thoroughly modern plant, equipped with the best available machinery, and under the direct management of Mr. E. T. Clark, the company are in position to continue, upon a larger scale, the manufacture of a superior line of bicycles. We have adopted the name 'Wheeler' for our line, and it is, and always will be, a recognized expression of all that is meritorious in bicycle construction. It is the policy of the company to put the best material obtainable into their product, and this, supplemented with skill and honesty of purpose, cannot fail in attaining the desired results. Although the price at which 'Wheeler' bicycles will be sold is $85.00, we challenge anyone to show a better bicycle upon the market at any price."

The Hunt Mfg. Co., Westboro, Mass., are sending out their announcement for 1896. The company manufacture saddles and tool bags, carrying thirteen styles of saddles and six tool bags. The company make the following announcement: "At the commencement of our sixth year of saddle making we recall our humble beginning, when with meagre facilities we placed on the market the pioneer pneumatic saddle, the leather work of which was done by outside parties, comparing well, however, with the inferior metal work, also chiefly done by others. The following season we made our own leather covers, improved our springs, added superior clamps and adjustments to the regular cycle saddle we had begun to manufacture in connection with the pneumatic. The product of our study was favorably received by the trade, and our business steadily increased until our new factory became necessary, built for our exclusive use and convenience, fitted throughout with specially constructed machinery, allowing us to produce a grade of work unsurpassed by any saddle maker in the world."

The Black Mfg. Co., Erie, Pa., makers of the Tribune bicycles, have published their regular 1896 catalogue. Their line consists of seven lines of bicycles and tandems. The company say: "In presenting to your inspection the Tribune line for '96, we feel that a few words regarding bicycles in general may not be amiss. During the past season, the interest shown in this health-giving sport has far exceeded any previous year, and for business purposes the bicycle of to-day may be ranked almost as a necessity. The great demand for wheels which has been thus caused, has led to the manufacture of many inferior machines, which, in some cases, have been offered as high grade. There is probably no article at present upon the American market of which it is more difficult to judge the value than a bicycle. In outside style and finish, a wheel that retails at fifty dollars will oftentimes present as good an appearance to the inexperienced buyer as the finest machine listing at one hundred dollers, and it is only when such a bicycle is put in actual use that the real difference is apparent."

The Royal Cycle Works, Marshall, Mich., have issued a handsome catalogue describing and illustrating their 1896 wheels. The line consists of six wheels which includes a ladies' wheel and two tandems. The company say: "'Nothing succeeds like success.' The success that has attended our efforts to produce a strictly first class wheel is well known to all. We issue this, our 1896 catalogue, recognizing the intelligence of a discriminating public, and in full view of the active competition that at present exists. Our products have at all times received favorable consideration, and judging from the enormous demand, during the past season, for wheels of our manufacture, we believe that we may fairly claim to be leaders in bicycle construction. We have added considerably to our factory and plant, in order to keep our many patrons promptly supplied, and ask your careful perusal of the following pages, which describe the improvements we have effected for the present season."

The Ralph Temple Cycle Co., Chicago, will carry a line of nine models and a parcel carrier during the season of '96. The company say: "With fifteen years' experience in the bicycle trade, we stand unconditionally upon our record as manufacturers of high class bicycles, aiming to satisfy rider and dealer alike with the knowledge that our success depends upon the proper adjustment of honest claims. We expect, by pleasing our patrons in the quality of our wheels and our methods of dealing, to achieve even greater success this year and strengthen our foundation for future success. We stand hand in hand with our agents, ever ready for suggestions to improve the design and finish, so that our machines will be ready sellers in all localities. The agency for our lines of wheels, the most complete on the market, can be secured by reliable parties in any reputable business."

We have received a handsome catalogue describing the 1896 wheels of the Standard Cycle Works Co., Chicago. The company remark that "in the following pages we shall endeavor to interest our readers in a few of the many points of excellence of the Standard bicycle, and to show them the kind of material and workmanship that is necessary for the making of a truly high class wheel. We believe that there is but one way to build a bicycle, and that is to use nothing but the very best material, in connection with the finest workmanship. This, with the strictest attention paid

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to detail, should produce what can properly be termed 'a high grade wheel.' For the season of 1896, we offer a line of seven varieties of bicycles and tandems. As we furnish a great range in height of frames and carry a very generous assortment of equipments, we are prepared to meet the requirements of all riders."

We have at hand a handsome catalogue from the Plymouth Cycle Mfg. Co., Plymouth, Ohio, illustrating and describing their line for 1896. Their wheel is known as the "Superb Smalley." The company remark that "in addressing those of our friends who have been our representatives or ridden the Superb Smalley, we need only refer to the past season in saying that it was one of phenomenal advancement in the popularity for the Superb Smalley, and beyond our expectations, as well as satisfactory to representatives in having sold his customers a wheel that made friends wherever seen, and was a source of pride to its owner in having a reliable mount which gave no trouble. This year we know we will surprise even those who are aware of our vigorous advancement towards the leadership of cycle building." Their line will consist of nine models, including ladies' wheels and tandems.

F. X. Muller & Co., manufacturers of the Empire State 999 bicycles, Buffalo, N. Y., make the following announcement: "During the past year we have striven constantly and diligently to manufacture a line of cycles which could be favorably compared with the best upon the American market to-day. The large and ever increasing demand for our wheels is ample proof of our success. In view of these facts we are naturally inspired to do more than ever during the ensuing year. To aid us in this work we have spared neither time nor money. New and up-to-date machinery has been placed in our factory, which will enable us to keep strictly abreast of this inventive age." Their line will comprise seven models.

A. M. Scheffey & Co., No. 92 Reade Street, New York, are mailing their 1896 catalogue to the trade.It consists of 32 pages and fully describes the entire line of bicycles, listing in price from $100 to $40. There are 14 machines in all, but probably the best sellers are Wynnewood B, C and X, all of which list at $60. The regular enamel is black, but four of the line are finished in maroon enamel, when so ordered. This house has the sole United States agency for Miller's Bicycle Lamps, and are now receiving shipments of these popular goods from abroad. A special lamp catalogue tells the whole story.

We have in hand the advance courier of the Tourist bicycles, manufactured by the Tourist Cycle Co., Syracuse, N. Y. Three models are shown, including a ladies' wheel. The company say "until our new catalogue, now in press, is issued, we offer this advance courier to those who seek information regarding the new Tourist. It embraces in an abridged form the essential features of our regular edition. The Tourist needs no introduction. It has been upon the market many years, and established by past service an enviable reputation."

The Queen City Cycle Co., Buffalo, N. Y., makers of the Erie wheel, remark that "the success of Erie bicycles in the past will be the pledge for their success in the future and for 1896, as for 1895, they will be one of the favorite mounts of the practical, particular wheelman. The times move, and we move with them. Erie bicycles will be better for 1896 than ever before—stronger and better finished, more up-to-date in every detail." This line is composed of four models.

Edw. K. Tyron, Jr. & Co., Philadelphia, Pa., have distributed their advance announcement for the season. They will represent the "America" bicycles in Pennsylvania, Delaware, New Jersey (south of Monmouth and Mercer Counties), and the following counties in New York State: Tioga, Tompkins, Cayuga (south of N. Y. C. R. R.), Seneca, Yates, Schuyler, Chemung, Steuben, Allegany, Wyoming, Cattaraugus, Chautauqua, Erie and Niagara, besides carrying the Apollo, Cycloe and Fairy Wheels.

The Butler & Ward catalogue for 1896 shows ten models of saddles, including the Empress, a ladies' saddle. The company remark that "popular approval goes far toward establishing the standing of a business house with the trade, and the good will and favor we have been shown indicates that those who have dealt with us have been eminently satisfied with their transactions." The firm are located in Newark, N. J.

We have received from Hermann Boker & Co., Nos. 101 and 103 Duane Street, New York, a special illustrated price list of bicycles and bicycle sundries. The company carry the IXL roadster and the IXL ladies' wheel and a complete line of lanterns, cement, illuminating oil, enamel, rubber solution, chain graphite, pocket oilers, wrenches, repair kits, pumps, handles, trouser clips, bells, lantern brackets, brakes and toe clips.

The Emblem line for 1896 will consist of seven models, including a tandem and three ladies' wheels. The manufacturer says: "Emblem cycles, as in the past, will be of the highest possible grade of an honest made cycle, up-to-date in all parts. In building Emblem cycles my motto has been, and always will be, quality first, price secondary." The Emblem is made by W. G. Schack, Buffalo, N. Y.

The Buffalo Wheel Co., Buffalo, N. Y., are sending out an attractive hanger, in colors, showing various views of Niagara Falls, including the Falls, the Gorge Road, the Maid of the Mist and others. In the foreground are seen a lady and gentleman mounted on Niagara wheels, seeing the sights.

The Henley Bicycle Works, Richmond, Ind., will offer eight models for the season of 1896, including two ladies' wheels and a tandem. The company's wheel is named the Henley.

The Van Wagoner & Williams Hardware Co.

At the annual meeting of the Van Wagoner & Williams Hardware Co., Cleveland and New York, on Thursday, January 23d, the following named gentlemen were elected officers: C. S. Van Wagoner, president; M. C. Ogden, vice-president; S. Bourne, treasurer, and C. T. Stork, secretary. The following directors were selected: C. S. Van Wagoner, G. S. Russell, E. H. Bourne, J. H. McBride, A. B. Fletcher, Henry Atterbury and M. C. Ogden. Mr. Ogden takes the place of William H. Williams, deceased, as vice-president and director, and the company is to be congratulated on securing so well known and able a business man as advisory at this end of the line. Mr. Ogden has had much valuable experience in the manufacturing and business worlds, he being president of the Eagle Lock Co., Terryville, Conn., the Southington Cutlery Co., Southington, Conn., and of the New York Vitrified Tile Co., Brooklyn, and a director in the Peck, Stow & Wilcox Co., New York. The management of the New York office will as heretofore be in charge of C. T. Stork, the secretary of the company.

Wants Bicycle Catalogues.

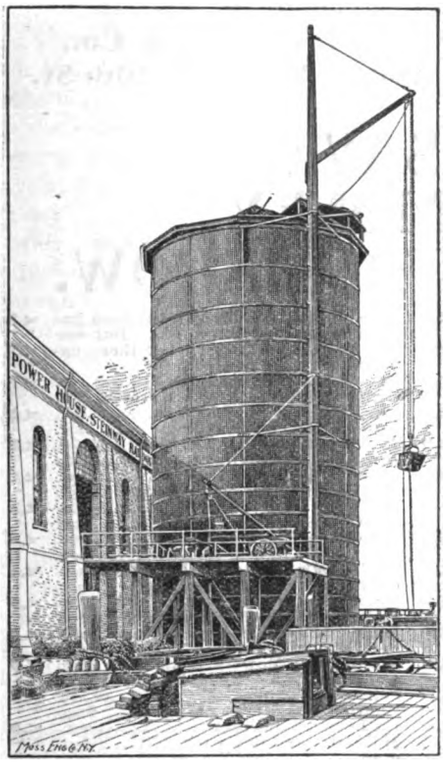
B. C. Merrill, general Hardwareman, Winchester, N. H., informs us that he will commence the handling of bicycles during the present season, and would be glad to have manufacturers and jobbers of wheels and accessories send him catalogues, prices, etc.

The use of caustics and alkalies for removing paint from wooden surfaces is frequently followed by very serious damage to the wood itself, soaking it with the solvent so as to prevent future coats of paint from taking complete and permanent hold, and bringing about its destruction in a comparatively short time. The burning off process of removal does not carry with it this objectionable quality.

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Berlin Iron Bridge Co.'s New Coal Pockets.

A very important element in the designing and building of power plants is the question of the proper storing of coal. No power plant should be designed without providing for the storage room for from 500 tons to 1,000 tons of coal, and in larger plants this capacity should be very much increased. The danger of a strike in the coal regions, or delays in transportation, incident to strikes, weather, floods, etc., are so many and great that no power plant should take these risks, but should provide storage for sufficient coal on hand to provide against a contingency of this kind. The difficulties in designing a proper bin or pocket for storing this coal are many and great, owing to the large floor space required. Our attention has been called to a pocket lately designed by the Berlin Iron Bridge Co., East Berlin, Conn., for the power house of the Steinway Electric Railroad Co., at Astoria, L. I., which has attracted much attention. The design is unique, and possesses many points of merit, owing to the large amount of storage capacity in proportion to the exceedingly limited amount of floor space occupied. The general appearance



is shown in the accompanying illustration, which is taken from a photograph of the completed pocket in operation. Especial attention is called to the cylindrical form of construction. This particular pocket is 28 feet in diameter, 54 feet in height, and has a capacity of 1,000 tons of coal. The coal is unloaded from the barge or carts at the side of the pockets in the ordinary way, and hoisted by means of a bucket to the top of the pocket, so that no expensive machinery is required to fill the pocket, an ordinary hoisting engine being all that is necessary. Of course, more expensive mechanical appliances might be introduced for doing this work, in the shape of an endless chain or some of the other appliances of a similar nature, but we doubt very much whether the revenue would pay the interest on the incurred cost, over the apparatus shown in the illustration. There is an opening in the side of the pocket near the base for removing the coal in the ordinary way, so that it can be carried into the boiler room by means of an endless chain, with buckets, or by hand, or by carts, or whatever way may be desired. The advantage of this pocket does not lie in its presenting any additional facilities for handling the coal, but more in its being an economical method of storing coal, and as such it offers many advantages, and commends itself to owners of large steam plants as it admits of greater capacity in proportion to the floor surface than any methods that have lately come to our attention. The patents on this construction are owned and controlled by the Berlin Iron Bridge Co., East Berlin, Conn.

The Wright & Colton Purchase.

One of the most extensive real estate transfers of late is the purchase by the Wright & Colton Wire Cloth Co. of the property which it has been using during the past eight years on a guarantee lease, says a recent issue of the Worcester, Mass., *Telegram*. The purchase gives the company one of the best equipped plants in the city for manufacturing purposes, bordering on the tracks of both the Boston & Albany and the New York & New England Railroads. The manner in which the Wright & Colton Co. became the possessors of the property is somewhat out of the ordinary way of doing business. It took a lease of the property when it first settled in this city, paying the rent three years in advance and giving a guarantee in money that it would purchase the property later. At the end of three years it asked to renew the lease and paid another guarantee of several thousand dollars, which was to be deducted from the price when the property was bought. At the end of the sixth year the Dean heirs found the investment a good one and were willing to renew the lease, which was done after the payment of another guarantee, always going toward the principal. The third lease had still another year to run when the company determined to buy the property outright. The property had been in the hands of the Dean heirs about sixteen years, and was valued at a little above $35,000 when given into the hands of the Wright & Colton Co. the first year. There are 57,000 feet of land, which absorb the entire Hammond Street property between the tracks of the Boston & Albany and the Norwich & Worcester railroads, with the exception of a small piece in the front. There was but one building on the land at the time the first lease was taken, but since then four large additions have been added at a cost of about $40,000. The present main building is three stories high and 60 feet wide by 220 long. The old building was but one story high part of its extent. The trouble which the firm had in collecting the insurance on its buildings after the disastrous fire last summer had much to do with the immediate purchase of the property. The Dean heirs, in whose name the policy was taken out, are scattered all over the country, and considerable time was taken up before all could be got to sign the insurance papers. Wright & Colton are using about 80,000 feet of floor space. They came here from Palmer about four years after engaging in the manufacture of wire cloth.

A "Boss" Lantern Lamp.

Royall Givens, Corpus Christi, Texas, shows upon page 68 of this issue an illustration of a new "Boss" Lantern Lamp, that he is placing on the market. It is described as simple in construction, can be used with any chimney, light cannot be blown out, and is very economical, and retails at twenty-five cents, with the chimney. Terms to dealers (without chimneys) are given at $1.00 per dozen f. o. b. Corpus Christi, Texas; special price $9.00 per gross f. o. b. factory at Cleveland, Ohio.

The Toledo Stove Co., Toledo, Ohio, report that the outlook for business this year is very bright. They already have as many orders on their books as they had in all of last year; are improving their goods, and adding a new line of square oven stoves which is taking well with the trade. Naturally they feel very much encouraged over the outlook.

The annual meeting of the Ohio Hardware Association will be held at Dayton, Ohio, on February 12th, at the Phillips House.

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ADVERTISING THE STORE—III.

This department is conducted by an experienced advertising man. It will be devoted to questions of profitable publicity as especially related to the retail Hardwareman.

We desire to make it of practical benefit to the readers of "HARDWARE," and to that end invite you to ask any questions on advertising, make any suggestions, or send in your ads. for criticism. We will do our best to make the path of advertising easy for you.

I have been advocating in this department for some time past the value of advertising as applied to the Hardware trade, and trying to show the readers of *Hardware* in as practical a way as possible how they could make use of legitimate methods of publicity to increase their business and capture trade.

While I was in Washington a few days ago, I was glad to talk with a firm which has demonstrated by practical proof the efficiency of advertising as a trade increment in the Hardware field—J. H. Chesley & Co., No. 1004 F Street,

June 14, 1895.

J. H. Chesley & Co.,
1004 F Street and 522 10th Street.

B-u-y C-h-e-a-p

Buy your Housefurnishings in the cheapest "RELIABLE" market. We handle only "A No. 1" goods and sell them as low as they can be bought anywhere in America. If you know anything about Gas Stoves you know that—

$1.40 for a 2-burner Gas Stove

—full nickel-plated, with good burners, is cheap. One shipment sold out this spring already and another partially gone. That's a pretty good sign, isn't it?

A 3-burner Gas Stove, nickel-plated, for $2.25.

Patent Gas Tubing, 6c. ft.

1-burner Oil Stove, 65c.

12-in. Lawn Mower, $2.50

It's a regular $3.50 Mower and brings that price everywhere. As a special drive for tomorrow, Saturday, only $2.50.

Peerless Ice Cream Freezers.

If it's a question with you of the best Ice Cream Freezer at the lowest figure, buy a Peerless Freezer. Can be operated from either side or top, freezes quicker and requires less ice than any other freezer on the market.

J. H. Chesley & Co.

Hardware, Builders' Supplies, Stove Repairs and Housefurnishings.

DOUBLE STORES.

1004 F Street and 522 10th Street.

who have been using the Washington dailies for a year past with most gratifying results. I called upon Mr. Rudolph, of that firm, and in the course of a conversation about advertising and store matters, I drew from him much information of interest and value to retail Hardware dealers everywhere, and a confirmation of all that I have said in these columns.

J. H. Chesley & Co. are among the largest Hardware firms in Washington. They have long been known to the people of the capital city for their honest dealing and first-class goods. Their store has an inviting look, and the windows are filled with a goodly array of the most seasonable articles. One of the first things that struck me on entering was a new and most convenient arrangement of the stock. Down the entire length of the store, with room in between for the attendant clerks, were two counters on which were displayed a quantity of goods. The side walls on both sides were lined with shelves, and on these all the shelf goods were neatly displayed, each article being in its own box, with a sample on the outside, so arranged that anyone entering the store could not help taking them all in at a glance. I thought to myself that such a handy arrangement had had much to do with the store's popularity.

"This method of arranging our stock has one great advantage," said Mr. Rudolph. "It does away with the necessity for technical knowledge on the part of our customers. For instance, a woman comes in who wants a particular kind of window lock. She don't know the name of it and can show us in a very crude way how it works. In our store she don't even have to do that. Our stock is displayed where she can see it all, and she simply walks in and points at the article she wants."

July 26, 1895.

J. H. Chesley & Co.,
1004 F St. & 522 10th St.

SAVE MONEY TOMORROW.

The increase in our retail business has been something marvelous. But one way to account for it. Let these extraordinary values speak:

One-burner Best Oil Stove	65c.
Henis Fruit and Vegetable Presses	35c.
5-ft. House Step Ladders	90c.
3-prong Nickel Towel Rack	20c.
Galvanized Wire Clothes Line	35c.
Rubber Clothes Wringers	$2
All-steel One-piece Trowels	10c.
An All-steel Hoe, wooden handle	25c.
Steel Garden Rakes	20c.
Big Coal Shovels	40c.
Big Garden Spades	50c.
Solid Wood Rakes	20c.
Hall Bristle White Wash Brushes	35c.
Galvanized Coal Hods	30c.
7-gal. Galvanized Garbage Cans	$1
Half Gal. Nickel-Plated Coffee Pots	75c.
$1 Copper Tea Kettles	70c.
25-ft. Watering Hose	$1.50
Our $4 Lawn Mowers, 14 and 16-in.	$2.50
2-qt. Peerless Ice Cream Freezers	$1.40
Patent Gas Tubing	6c. ft.
2-burner Gas Stoves, only	$1.40
35c. Lemon Squeezers	23c.
$1 Roaster and Baker for	65c.
10 per cent. off Pen Knives.	
75c. qt. Kettles for	44c.
$1 Half. Gal. Kettles	54c.
$1.25 three-qt. Kettles	64c.
Goods delivered anywhere.	

J. H. Chesley & Co.

DOUBLE STORES.

1007 F St. & 522 10th St.

"When did you begin to advertise, Mr. Rudolph?"

"About a year ago."

"With what results?"

"We can trace to our advertising a direct increase in our sales of from seven to ten per cent. Where formerly we had a dozen women come into the store a day, we now have from forty to fifty."

"Do you follow any system in your advertising?"

"None except that we endeavor to advertise seasonable goods."

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"What do you mean by that?"

"I mean that in the spring, for instance, we make special offerings of hose, lawn mowers, sickles, etc. Then in the fall we make more of a specialty of house-furnishing goods."

"Do you ever offer bargains?"

"Indeed we do, right straight along."

"You do not agree, then, with some Hardware dealers with whom I have talked, that the margin of profit on Hardware is so small that the Hardwareman cannot afford to offer any bargains?"

"Indeed I do not. I think the bargain idea is just as applicable to Hardware as to any other branch of trade. It has been my experience that the bargain has simply served as a magnet to draw the people to the store. I have always found it the case that people bought almost everything else except the bargain advertised. One instance I remember in particular last summer. We advertised a Special Sale of lawn mowers at $2.25. This was really a big bargain, and we expected to sell a lot of lawn mowers. The fact of the matter was that we sold only three, but the ad. paid just the same, for we did have a splendid day, and our sales were the largest of any day that week."

"Do you advertise all the year round, Mr. Rudolph?"

"No, not in January or February. These are the two slack months here, and we never expect to do much business. We shall start in again just as soon as there are some signs of Spring Openings and shall keep it up until after the holidays at the end of the year."

"Every day?"

"No—twice a week. We have found that that is all that it pays us to do."

"Do you run the same ad. twice?"

"No. We change as much as possible. Try to offer something in a different line each time so that if we don't strike it the first part of the week we will the last. Different people want different things, and we try to please everybody some time during the season if we can."

"Do you have any means for checking your ads. so as to know what particular ads. pay and what do not?"

"No, we cannot possibly do anything of that kind. We only know that advertising as a whole pays by the way our sales have crept up ever since we began to advertise."

"How do you plan your advertising?"

"On the principle that advertising pays when it is done systematically, and one is not stingy about it."

"What do you mean by being systematic?"

"Following up the advertising at regular intervals. While we advertise right straight along, we make a special effort about the first and fifteenth of every month. You see these are the two pay-days in the government departments where about sixty thousand people are employed, and we make an effort to reach them while they have the money in their pockets and so are in a buying mood."

"And not being stingy means what?"

"Using just as much space and spending just as much money as continues to bring an increase in the business of the house."

"How do you govern the amount you spend in advertising—by a certain percentage of the profits from your sales?"

"No, we make an appropriation at the beginning of the year and use it just as occasion may require from time to time."

"Upon what do you base that amount?"

"We make it what it ought to be."

"How do you know that?"

"From past experience."

"You didn't have any past experience when you first began to advertise—how did you know what to spend then?"

"Well, we looked at it this way. It seemed reasonable to expect that what had helped almost every other line of

December 20, 1895.

Open every night until 9 o'clock.

See us Before You Put Up the Xmas Tree!

Those of you who contemplate putting up a tree for the amusement of the little ones, and wish to avoid all of the trouble, dirt and danger attendant upon the presence of a Christmas tree in the parlor, should not fail to see our Patent "Safety" Christmas Tree Holders, Miniature Iron Fences, Lamp Posts and Gas Jets. A couple of trees in the front window of our F Street store, furnished with these model appliances, will serve as an object lesson to show you how handy and nice they are.

Christmas tree holders.

The "Eureka" and "Gem" Iron Christmas Tree Holders support the tree firmly and strongly, and can be fastened to the floor. They not only keep the trees green and prevent the leaves from falling, but all danger of fire is eliminated.
50c for the "Gem" Holder.
75c. for the "Eureka" Holder.

Miniature Iron Fences.

Neat Miniature Iron Fences to go around the Xmas tree garden—will last forever.
2 ft. sq., $1.
3 ft. sq., $1.25.

Miniature Lamp Posts

—for the Xmas tree garden, 4 in a set—with hundred tapers for burning oil, or same for burning gas, only $1.

75c. and $1 Pen Knives, 25 and 50c.

This lot of Penknives was bought at a special sacrifice, and are the genuine 75c. and $1 articles. Knives have two and four blades, put up in neat boxes, suitable for gift giving. Guaranteed perfect—or money refunded. We will close them out tomorrow at 25c. and 50c.

$2, $3.50, $5 English Carving Sets, $1.25, $2.50 & $3.50

Tomorrow we will close out a line of English Carving Sets, made by Elliott of Sheffield. They are guaranteed best English steel, and have the fashionable stag handles and "SCIMETER" blades. Worth $2, $3.50 and $5. Go tomorrow at $1.25, $2.50 and $3.50.

J. H. CHESLEY and Co.,
1004 F St.,
and 522 10th St.

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trade would help us. We made up our minds that we would risk a little money in it as an experiment. We decided that we had a certain sum that we could afford to lose and we spent that sum in advertising. Now we have a very gratifying experience to fall back upon in making up our estimate."

"What mediums do you use?"

"The *Star*."

"Only?"

"Yes. It is practically the only paper in Washington that goes into the homes, and that's the only place where an ad. will do us any good."

"Don't you use any of the Sunday papers?"

"No. They are not good for this business."

"Why?"

"Well, Hardware is a necessity and it is a heavy subject. People want light reading on Sunday, and we can't make a Hardware ad. light reading, so we stay out on Sundays."

"Do you use booklets, catalogues, etc.?"

"Yes, but only for our jobbing trade."

"Do you think they pay better than newspaper ads.?"

"I do not think so for the money expended."

"What do you regard as your best ad., Mr. Rudolph?"

"That is a very difficult question to answer. As I said before, we have no means of checking our ads., and can only judge in a general way of the value of each. They all seem to have brought trade, but I really do not know which one or ones has brought the most."

As he said this, Mr. Rudolph took down a big scrap-book in which he had all the ads. that the firms had used, and picked out two or three which seemed to him to show best what he meant by good Hardware advertising. These he has kindly allowed me to reproduce here. They are fair samples of a style of advertising that has proved effective, and *Hardware* readers may find in them many suggestions of value.

"Our best month, of course, was December. Then we advertised cutlery, knives, etc., and anything else that was suitable for Christmas gifts. I do not think that even there I can pick out any one ad. that was particularly effective."

I asked Mr. Rudolph if he wrote his own ads.

"No. We have neither the time nor the wish to do that. We believe that it is much better done by putting it in the hands of those who are constantly in touch with the best advertising everywhere—who are constantly working on advertising matters. I think that there are many ideas quite applicable to Hardware used in other lines of trade which we would never see and which we get the benefit of in this way."

"Who writes your advertising then?"

"Mr. Hungerford, of the *Star* advertising bureau. He has done the work from the very first, and I think it probable that much of our success is due to the way in which he has done it."

"Do you think that there is any Hardware store anywhere that advertising would not help?"

"So long as there are people in a place, a Hardware store and a newspaper, I believe that judicious advertising must bring profitable results. There was a time when I was like the vast majority of Hardwaremen to-day, and did not believe in advertising myself. Now you can put me down as a full-fledged convert, since I have seen its efficiency practically demonstrated right here in our own store."

I called upon William Hungerford, manager and proprietor of the *Star* ad. writing bureau, to whom Mr. Rudolph was inclined to give much of the credit for his firm's success as an advertiser, in the hope of gaining some further hints on the subject for the benefit of the readers of *Hardware*. Mr. Hungerford is regarded as the high-priest of advertising in Washington, and Washington is looked upon by business men as the home of the best advertising done anywhere in the country. Mr. Hungerford is a practical business man, and looks at advertising from a business as well as professional standpoint. His experience has extended over many years, and his beliefs are founded upon careful study and have been put to the tests of actual trial.

"I have always looked upon the Hardware field," said Mr. Hungerford, "as one of great possibilities for the Hardwareman who could make up his mind to leap over the prejudice that exists in the minds of all Hardwaremen against advertising. The success that has attended my two clients in this field, J. H. Chesley & Co. and Barber & Ross, has more than justified my belief. It seems to me now a proven fact that advertising is as practical for the Hardwareman as for the dealer in any other line of trade."

"Do you advocate any special style of advertising?"

"Well, my ideas of what and how a Hardwareman should advertise are pretty well illustrated in the course my clients. J. H. Chesley & Co., have been pursuing. Special offerings or bargains have proven the best and most effective method of attracting public attention and forcing sales. These we have offered in nearly every line of goods the firm handles, and they have been a 'go' every time."

"A new idea that I tried with them and that proved very productive of results was to advertise for estimates on builders' supplies. There is a great deal of building going on in Washington all the time, and a great many articles that a Hardwareman has in stock are necessary in the course of the work. So we have advertised now and then to get the builders to let us estimate on the necessary Hardware for them when they are making up their bids. It has proved a good card, and been profitable as well."

"Do you think it would be practical in other cities?"

"Certainly. Let a Hardwareman do something of the sort when a good-sized building is about to be erected in his town, and he will at least get the reputation for being wide-awake. That means that his regular trade will be increased for people who like to deal with that sort of a man."

ARTHUR B. CHIVERS.

The Hardware Dinners.

Arrangements are about completed for the annual Hardware dinner of 1896, to be given at the Hotel Savoy, on the evening of Thursday, February 20th. The following gentlemen have been engaged as speakers:

Hon. Horace Russell, New York.
James H. Hoyt, Esq., Cleveland.
Rev. M. W. Stryker, president of Hamilton College.
Gen. James R. O'Beirne, New York.

A. D. Clinch, chairman of the dinner committee, suggests that all who do not wish to apply too late, should immediately send in their orders for tickets to him, at the Hardware Club.

The annual dinner of the New England Iron & Hardware Association will be held in Young's Hotel, Boston, on the evening of Thursday, March 19th. The details are being carefully arranged by President A. M. Wiley and a competent committee, and correspondence held with several eminent men whom it is hoped may be persuaded to speak on that occasion. Those who wish to attend should make application as early as possible to Mr. Wiley, care of Frye, Phipps & Co., No. 23 Pearl Street, or to some officer or member of the Association.

C. B. Judd, vice president and general manager of the Bissell Carpet Sweeper Co., is preparing for his annual cruise on his new fifty-three feet naphtha launch. Mr. Judd is an indefatigible worker, and feels it necessary once a year to relax his strength in this way.

"I nebbah knowed but one man whose business suffered f'um too much advertisin'. He was er burglar."

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The U. S. Export Association.

This is a movement to encourage the consumption of American products in other countries by combining the influence of American producers, manufacturers, carriers, merchants and bankers, and collecting and disseminating among its members information of value, besides steadily presenting the merits of American goods to the people of other countries. It is incorporated under the laws of the State of New York, in order to limit the liability of its members to the amount of their membership dues. It has taken offices at No. 143 Chambers Street, and has elected Mr. Francis B. Thurber its president. When asked regarding the objects of the association, Mr. Thurber stated:

"As Chairman of the Committee on Foreign Commerce of the Chamber of Commerce, I was in receipt of a large number of letters from all sections of the country asking information on one question or another, and, as the Chamber could not establish an information bureau, after considerable thought and discussion it was deemed advisable to establish an independent bureau. This we have done, and the membership is increasing so rapidly that we will soon have to take up more commodious quarters. The main object of the association is to encourage the consumption of American products in other countries by combining the influence of American producers, manufacturers, carriers, merchants and bankers, and doing all things necessary to that end. The bureau will distribute information gratis. To shippers it will answer inquiries regarding the responsibility of buyers and give full information on shipping, banking, exchange, insurance, publicity, translations at cost, and answer inquiries of every nature. To buyers it will show what the best products are, the best manufacturers, commission merchants, insurance companies, and will also attend to any other or special matter that may be sent in."

The following statement fully explains the scope of the association:

The objects of this organization are to provide manufacturers and exporters with reliable information regarding business affairs in foreign countries.

To obtain and circulate among its members the latest and most authentic information regarding the wants and development of foreign countries; the names and addresses of reliable buyers; the inauguration of new enterprises in plantations and mines, mercantile and manufacturing establishments, steam and street railways, light and power plants, water works, bridges, and all other enterprises likely to require American products.

To furnish reports indicating the kind, quality, price, style of packing and destination of goods exported from this and other countries, so that subscribers may be kept informed regarding the foreign demand for products similar to their own and have a clear idea of the customs and requirements of foreign merchants and how to get their trade.

To keep subscribers informed of tariff changes, transportation and banking facilities and other measures affecting international commerce. To provide suitable offices in New York City where foreign buyers upon their arrival in this country can find interpreters, obtain desired information and meet the representatives of American manufacturers. To advertise this feature in foreign countries, employ intelligent travelers speaking the various languages—missionaries of commerce—and invite such visits. To promote communication and reciprocity between the United States and foreign countries and advocate the study of commercial languages in our educational institutions.

To co-operate with and supplement the efforts of other organizations to the end of enlarging our export trade. The trend of the world's development in our direction and with intelligent and persistent effort the centre of exchange can gradually be transferred to this country, with all that it implies.

The United States form the greatest producing country on the globe; our capacity to produce is fast exceeding our ability to consume; our fields, forests, mines and factories can supply the world; the ingenuity of our inventors is proverbial; the quality and utility of our products are recognized wherever introduced; with increasing facilities of communication "the field as the world," and with intelligent effort we can command a reasonable share of the world's trade. It will be the constant aim of the United States Exporters Association to make this effort and to acquaint foreign countries with the greatness of this country and its ability to supply the world's wants.

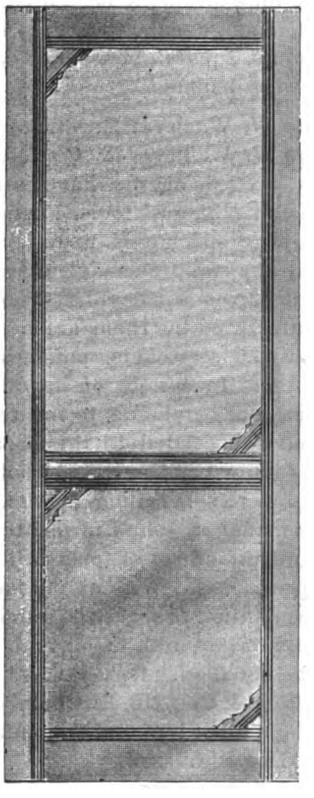
Mr. Thurber said this circular had been sent to leading concerns in different lines and has been most favorably received.

"A small co-operative expenditure on the part of the producers, manufacturers, carriers and bankers of the United States in presenting our facilities to the world at the present time will yield fruit a hundred fold. It should be looked upon as an advertising expense. The circumstances are ripe for intelligent effort. Seeing that our commercial bodies could not do the specific work necessary, I organized the 'United States Export Association,' incorporated under the laws of the State of New York, with a nominal capital, in order to limit the liability of its members to the amount of membership dues.

"We have taken temporary offices at No. 143 Chambers Street, and will organize and push forward the business of the Association as rapidly as possible."

Standard Oil Screen Door.

The A. J. Phillips Co., Fenton, Mich., manufacture so many good things that it is hard work to keep from mixing them up. In our issue last preceding we made mention of their Standard Oil Screen Door, and by an error of makeup inserted illustrations of a door other than the one described. In this connection we show the door that was originally intended, and hope that those who are interested will note the change. The company have improved the design of their Standard Oil Screen Door, by cutting a scroll in the edges of the corner brackets, which practically makes a new pattern; this adds to the appearance of the door, and now gives the company what they state to be "one of the handsomest of cheap varnished screen doors." In this door the materials and workmanship are good, but the design permits rapid manufacture, and but one coat of varnish is used, enabling them, as the company say, to "make extra low prices and yet produce excellent value." The company stand very high in that line of goods, and, as we said before, by push and energy and continuous presentation of their goods to the public, have built up a very large and successful trade.



T. W. Williams, Eastern and foreign manager of the Bissell Carpet Sweeper Co., has just returned from a trip to the general office of the company at Grand Rapids, Mich. He reports everything in the most promising condition, and the outlook excellent for good spring trade.

George Chatfield, of the firm of Chatfield & Baker, Owego, N. Y., died very suddenly on January 27th of heart failure.

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RECENT TRADE PUBLICATIONS.

The Toledo Tinware Mfg. Co., Toledo, Ohio, have issued a complete catalogue for 1896. The company say: "We take pleasure in handing you herewith our new illustrated catalogue, comprising a full line of pieced tinware, also copper and copper bottom goods. We are pleased to state that we are now using nothing but American tin plate, all full weight, which we find gives better satisfaction than foreign tins. We wish to call particular attention to our covered pails, flaring pails, as we only use riveted ears, riveted by machinery; these ears will not come off. Since the issue of our last catalogue we have doubled our manufacturing capacity, adding new machinery and a great many new tools and dies. We also wish to call attention to the city of Toledo as a manufacturing point. As we have excellent shipping facilities both by rail and lake, we can reach any point in the United States from Toledo, this city being one of the largest railroad centers in the United States. The company manufacture the following articles: Deep bread pans, coffee boilers, coffee flasks, coffee pots, covered buckets, cullenders, cups, dairy pails, dinner pails, dippers, dish pans, flaring pails, fruit cans, funnels, graters, lard cans, measures, graduated measures, milk kettles, milk pans, milk strainers, nested pails, oil cans, sap pails, sauce pans, sponge cake pans, sprinkling pots, strainer pails, steamers, square pans, syrup cans, tea kettles, tea steepers and wash boilers."

The W. W. Pryor Hardware Mfg. Co., Newark, N. J., for whom W. W. Pryor & Co., No. 81 Chambers Street, New York, are sole agents, have issued an attractive catalogue of the mechanics' tools, Foster's door springs and other Hardware specialties manufactured by them. It is prepared in a comprehensive manner, and attractively printed, and occupies some thirty-two pages. Among the goods manufactured by them are awls, chisels, pliers, can openers, carpet stretchers, punches, screwdrivers, box hooks, etc., etc. In a note of introduction they say: "In presenting our catalogue to the trade, we wish to state that we have succeeded to the business of M. Einwachter, and lately known as the Essex Tool Co., of which C. F. Guyon & Co. were sole selling agents. We have associated with us as manager, John Einwachter, long and favorably known as a manufacturer of tools and specialties, such as we now are producing. With ample facilities and capital, it is our determination to make tools and specialties, which for price, quality of material, finish and superior workmanship, cannot be equalled. Our finished stock will be carried by W. W. Pryor & Co., No. 81 Chambers Street, New York City, to whom all orders and communications as to prices, etc., should be addressed."

The Star Dinner Pail Co., Pittsburg, Pa., have gotten out their 1896 catalogue. The company remark "that they commenced business on a very small scale in January 1892, and were for some time manufacturing only two sizes of the Star dinner pail, which have since been increased to five sizes, and the famous Star dinner pails, which were first put on the market by us, four years ago, have constantly increased in popularity, until at the present time, they are being handled by nearly all Hardware jobbers throughout the United States. It is made in a number of different styles including both slip and screw cup, besides which we manufacture all other standard styles of dinner pails, for the manufacture of which our factory is equipped with all the latest improved machinery, so that we are in position to guarantee entire satisfaction, both regarding goods and prices, to manufacturers, jobbers and large buyers throughout the United States. We are also just now commencing the manufacture of considerable japanned goods, including dinner pails, dinner boxes, dinner baskets, lunch boxes, lunch baskets, etc." The company manufacture a full line of tinware specialties.

We have received the 1896 catalogue of Byrne & Millar, owners of the Millar Lever Motor, Columbus, Ohio. The motor consists of a light tubular frame and three wheels weighing it is said about 65 pounds. It is designed to carry passengers or to be used as a merchandise carrier, and in the first named form will carry three persons including the operator. It is propelled by manual force. In combination with a pair of cranks a pair of pedal levers are utilized, enabling the operator, it is explained, to employ his weight in propelling the vehicle as well as his lifting power, because the sweep of the pedals, having an up and down movement, always maintain the same relative position to the operator's feet, and seat, as well. The manufacture of the article for market has not yet commenced.

The Ideal Mfg. Co., of New Haven, have issued a new edition of their No. 7 Ideal Hand Book of Useful Information for Shooters. This contains a great deal of new matter, among which is a list of their foreign agencies, a description of smokeless powders, information as to shot cartridges, descriptions of their Ideal Pocket Powder and Shot Measure, Diamond Crimper, and special Ideal bullets. The book contains in short a vast amount of information which cannot but be of great value to all who are selling or using guns or ammunition of any character.

The Toledo Saw Co., Toledo, Ohio, have issued a neat little circular, descriptive of the "Toledo Blade" circular saw, and other tools made by them. They say: "Each saw is warranted free from flaws and seams, and practically true. Any saw failing to saw well will be rehammered free of charge, if immediately returned; or, if found defective in metal or temper, within thirty days from delivery, a new one will be given in exchange, if first saw cannot be repaired in a satisfactory manner."

J. H. Seed, No. 21 Centre Street, New York, has issued a revised price list of his reversible self-cleaning water filters, the changes of which will be noted in our prices current. It is a double sheet, filled with colored illustrations of his large line of specialties.

The Illinois Pure Aluminum Co., Lemont, Ill., have issued a new trade list which gives prices upon the large line of aluminum goods manufactured by them. These changes took place on January 1, 1896.

The Howard Iron Works, Buffalo, N. Y., have issued a price list on paper cutters and book binders' machinery. It is a neat and attractive little volume, and will be sent on application.

The Wagner Mfg. Co., makers of cast iron and aluminum hollowware, Sidney, Ohio, are sending their friends a handsome little card, which calls attention to their line of goods.

The Nubian Iron Enamel & Varnish Co., Chicago, have issued their little calendar for the first three months of 1896, which is filled with wit and wisdom, as of old.

Varnish for paper: Digest well together in a closed vessel 1 part dammar resin and 6 parts acetone for twelve days, then pour off the clear. To this add 4 parts collodion, mix together, then let it stand until clear. This is waterproof.

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Review of the Markets.

The condition of the city Hardware trade is very dull and inactive, though dealers generally report a fair out-of-town business. A hopeful feeling pervades the market and a good spring movement is anticipated. There are some complaints that the bicycle business is detracting from the legitimate Hardware trade, so many Hardwaremen having taken agencies for wheels. The cutting of prices continues and causes no small amount of trouble, though as a general thing prices are fairly well maintained.

Wire Nails: The market exhibits signs of increased activity. Prices remain unchanged for February, though it was decided by the manufacturers, at the recent meeting in Pittsburg, to raise prices 15 cents, the advance going into effect on the 1st of March. The prospect of an advance in the near future, the manufacturers expect, will cause a promptness in the placing of orders, which will naturally benefit both manufacturers and jobbers. The system of guaranteeing the jobbers against a possible reduction, as practiced by the manufacturers, is also carried out in transactions between jobbers and retailers. Stocks held by the trade are in many cases small. We quote as follows: Carload lots, $2.25, base, per keg, f. o. b., Pittsburg; less than carload lots, $2.35, base, Pittsburg. On direct shipments on contracts in less than carload lots of 24,000 pounds of Nails an extra 5 cents per 100 pounds will be charged. To jobbers taking of one mill within one calendar month 500 kegs or more a rebate of 5 cents per keg will be allowed. New York prices are: Carload lots on dock, $2.43; small lots from store, $2.53.

Cut Nails: The same advance of 15 cents per keg will take effect on March 1, as in the case of Wire Nails. During the intervening month prices will remain the same. There is an active demand for Cut Nails. Quotations are as follows: $2 per keg, base, f. o. b., Pittsburg. New York quotations are: Carload lots on dock, $2.18; small lots on dock, $2.28, and small lots out of store, $2.30.

Linseed Oil: The New York quotations for Linseed Oil are as follows: American raw, 40 cents per gallon; American boiled, 43 cents per gallon, and Calcutta raw, 50 cents per gallon.

White Lead, Red Lead and Litharge: The National Lead Co.'s quotations are as follows: White Lead, dry or in oil, Red Lead and Litharge in kegs: In lots of 500 lbs., 5¾c. net; in lots of 500 lbs. and over, 5¼c. Red Lead and Litharge in barrels and half barrels, ¼c. per lb. less than price in kegs.

Putty: The quotations for the better grades are $1.40@$2.25, as to quantity and package.

Window Glass: French is quoted at 70@70 and 5% off and American at 70 and 10@75% from list.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake ₩ lb	11¼
Ansonia grade Arizona	10½
" " Casting	10¼
G. M. B	10½

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl.	17c. ₩ lb
Over 3½ to 5 " "	18c. ₩ lb
Square and Hexagon Rods, 1c. extra.	₩ lb

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive	18c. ₩ lb
Over 3½ to 5 " "	19c. ₩ lb

Antimony.

Hallett's ₩ lb	7½
Cookson's	8¼

Lead.

Foreign ₩ lb	nominal.
Domestic, Pig	3½

Spelter.

Western Spelter	4¼@4½
Bertha (pure)	7@7½

Zinc.

600 lb casks	5¾
Per lb	6¼

Tin.

Straits, Pigs	14½@14½
Straits in Bars	15¼@15½

Tin-Plate.

Coke Tins:	
I B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, IC., 14x20	4.25
Do. 20x28	8.50
D. R. D. grade, 14x20	4¼
Do. 20x28	8½

Clapp & Co., bankers and brokers, New York, in their weekly letter say: "From 1889 to 1893 the public debt continually decreased. Since then it has steadily increased, and government bonds for $262,000,000 have been issued to meet expenses and maintain the reserve. The gold in the treasury is now less than four years ago. A premium on gold prevails for the first time since specie resumption January 1, 1879. We began coining silver on a large scale in 1878, paying $1.20 per ounce. The silver in the silver dollar was then worth 93c., now it is worth 52c., or 67c. for an ounce. Since 1878 the U. S. has bought 459,946,701 ounces of silver, paying $464,210,262.96 for it. Its intrinsic metal value is $309,536,118.17. Forty-two members of the Senate last Saturday declared against 35, that silver shall be bought from all markets at $1.29 per ounce and coined into silver dollars free, or practically at a fixed rate double its value in the open market. In 1895 our gold production was about $47,000,000; the African production about $45,000,000; the world's production about 9,653,203 ounces, or about $199,536,706. It is estimated Mexico produced in 1895 52,000,000 ounces of silver, and the U. S. product was 46,000,000 ounces, and the world's product 165,500,000 ounces, or about $100,256,236. In 1890 the average price of silver in London was 47 11-16 per ounce; in 1893, 35⅝; in 1894, 28 15-16; and last year 29⅞ pence per ounce, always payable there in gold. The *Chronicle* estimates the world's gold production increased in 1895 about $20,629,277 and silver increased $1,824,411."

THE CLEVELAND TRADE.

Trade shows somewhat more activity than at the date of our last report. The weather for the past two weeks has hardly been as cold as it is reasonable to expect during January and early February, but during that time we have had considerable rain fall, which will no doubt be beneficial to the country when spring opens up.

The market seems to be in a somewhat more satisfactory condition than at the date of our last report, there being a feeling of greater firmness. The manufacturers of smooth wire have stiffened their prices, and the demand for both smooth and barbed wire has been considerably increased.

Wire Nails, while unchanged in price, are in somewhat better demand, as the season is approaching when they must be put into use, and as stocks throughout the country are very low, it will be necessary for merchants to buy.

Wire Cloth remains somewhat unsettled. Galvanized Poultry Netting is very firm in price, and has not shown any weakness in sympathy with Wire Cloth.

Bicycles still continue to occupy a prominent place in the market, and will continue to do so for the next six months. Every indication points to an enormous sale, surpassing all previous records. The scarcity of wheels at a medium price becomes more manifest every day, and we predict that in April, when the season is at its height, there will be a scramble for this class of goods.

Everything now points to a good season for 1896, in which we trust that manufacturers, jobbers and retailers will share alike. McINTOSH-HUNTINGTON CO.

THE BUFFALO TRADE.

The outlook for spring trade seems to be improving very rapidly, and if the present "Fathers of our Country," who are spending the winter in Washington, would begin to realize that the country wants less politics and more business methods in taking care of the finances of our glorious land, we believe that the people would be happier, and greater prosperity would reign throughout the land.

The proposed advance in Wire Nails for March delivery, is a surprise, indeed, to our customers, as they thought the price had reached the high-water mark, and looked for a slight decline. Still the "Wise Men of the Wire Nail Association" by this time should know their business, and time must show us if that is the fact. WEED & CO.

THE PHILADELPHIA TRADE.

At last we have a little winter, and for practically the first time this year the ground has been white with snow, and accordingly wet with subsequent wet and slush.

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Trade, however, undergoes no relapse, but on the contrary is somewhat brighter, by reason of the seasonable weather.

Salesmen are now actively at work, and a fair crop of orders is the result. While the assortment is quite general, it is evident, however, that the buying is far from speculative, and that buyers are pursuing a conservative course, and yet the need of goods is shown by the fact that in spite of this conservatism goods are being bought and purchased in excess of the same period of last year.

All this is encouraging, and coupled with the fact that the country is now slowly recovering from its late severe set-back, while more money is in circulation through increased wages, it seems to be but reasonable to expect a fair amount of spring trade, and this seems to be the general report from the salesmen.

Prices continue with but little change, the most notable being the advance of fifteen cents which has been announced on Wire Nails for the month of March. It is very evident that the high price of Nails has not deterred trade from buying, and a fair volume of business is being done in the staple lines of Nails and Barbed Wire, and general Hardware prices are almost unchanged; while goods which advanced heavily last Fall may have weakened, still the great bulk of the line is firm, and it would not surprise anyone greatly if higher prices should be announced on many goods before long. BIDDLE HARDWARE CO.

THE COLUMBUS TRADE.

We hardly know what to say about trade. Orders are coming in freely, but prices on many goods are not entirely satisfactory. If we could get prompt remittances it would not be so bad, but the slow fellows seem to be getting as low prices as those who pay promptly, with the exception of the cash direct.

The announced advance on Nails to go into effect March 1st, is somewhat of a surprise, and we think a mistake on the part of the Association. They seem to be bidding for outside competition, and are getting it; and Columbus jobbers are finding it quite a disturbing element. We don't know how it is in other markets. Nails are certainly high enough now, and they will do well if they can maintain present prices. The market on most lines is very steady, and it is to be hoped that we will not see so many ups and downs during 1896 as in the last two years. The weather for the past two weeks has been anything but right for winter business; rain and sunshine—in fact April weather in January is not good winter weather. "Frogs in your throat" are in good demand, as nearly everybody has the grip or its twin sister. SMITH BROS. HARDWARE CO.

THE DAVENPORT TRADE.

Values seem to have reached bottom and are beginning again to advance in sympathy with the recent advances of Steel of $2.50 to $3.00 per ton.

The extreme low prices of Barb Wire—lower than ever known before—have stimulated trade in that line, and wants are being freely anticipated, and an early advance would not surprise the trade. Nails are selling now freely on the assurance of the Association that prices will be fifteen cents per keg higher for March.

White Lead has dropped another quarter, but even at the present exceedingly low price, trade is decidedly dull.

There is very little doing in Tin and Terne Plates, prices remaining very low and weak.

The open winter and absence of snow has prevented the sale of sleigh bells and hand sleds, which will have to be carried over until after another election; it may snow the next day after election.

SICKELS, PRESTON & NUTTING CO.

THE TOLEDO TRADE.

Trade for the month of January was fair, although nothing very extraordinary. We find that merchants are very cautious in their purchases, purchasing small quantities, and oftener. We hear considerable complaint from our customers that it is next to impossibile to collect from the farming community.

Prices in general are kept fairly well, with the exception of such goods as wire cloth, screen doors and windows, and plain wire.

We are led to believe, from viewing the situation, that we can expect a fair trade for the spring. We hope that we will not have a *boom business*, but a steady and healthy growth. In conversation with a number of our customers in the smaller towns, we are led to believe that the average and careful merchant did a successful business last year, and if they could get in their money, they would feel happy. We do not expect higher prices on staple goods, as the manufacturing capacity has been greatly increased since last year. THE STOLLBERG & CLAPP CO.

THE PITTSBURG TRADE.

January was quite encouraging in the amount of business done, both for present delivery and for future shipment. There seems to be a better feeling, and, while generally conservative, merchants seem to think the time has come for a better demand, and we believe they will not be disappointed. Our industries are all fairly well employed, at better wages than they enjoyed a year or two since. The open winter has given us a river upon which the immense accumulation of coal in our harbors has all been gotten out.

Travelers are sending in fairly well assorted orders. Bicycle arrangements are being made for the Spring trade. In another month we should be quite busy.

LOGAN-GREGG HARDWARE CO.

THE GRAPHITE TRADE.

The close of 1895 was characterized by the fact that we were compelled to run the factories to the end of the year instead of shutting down for the last week, as has always been customary, for general repairs and inventory. This was necessitated by the numberless unfilled orders requiring attention.

Could we have delivered all the goods on which delivery was due, the year would have been the best on record, but actual sales footed up slightly behind a best previous year.

January, 1896, closes with a handicap of a shut-down of ten days in the pencil factory, for inventory and repairs, but although one-third of the month was thus lost, the sales of Pencils were only sixteen per cent. less than for January, 1895. In all other Graphite products of the company there was a decided increase, crucibles, paint and lubricants being almost double as compared with the same month of last year. The orders for the first two weeks of the year were not as voluminous as we had hoped for, but the latter part of the month was entirely satisfactory.

We have added three new men to our traveling force; covered our Jersey City factories with handsome new signs, and expect to have a lively year. Collections are fairly good. JOSEPH DIXON CRUCIBLE CO.

American Bells.

There are very few bells in the United States that are agreeable to the ear. The foundries seem to go on the idea that anything in the shape of a bell will answer the purpose, says a writer in *Harper's*, with little or no regard for tone, and we are called to church with the same metallic anger that invites us to a fire. The manufacturers are probably indifferent because the public are indifferent. Their products are mechanical, and only by chance musical. That this does not arise altogether from ignorance of what a bell should be is proved by the existence in the country of a few sets of musical chimes. It is possible, then, to make single bells agreeable.

Apparently now they are cast in a conventional form, with as little regard to their sound as a blacksmith has for

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We are now ready to talk

Straus Roadster Bicycles

And arrange with you for the agency of the highest grade wheel in the market.

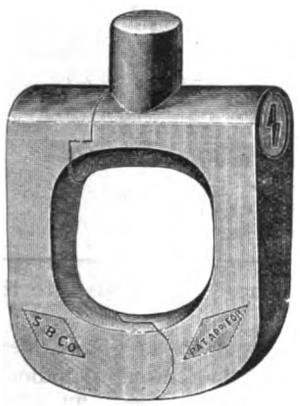
We have a strictly first-class **$100** beauty for **$85,** fully guaranteed for actual road use. Agents for the **STRAUS ROADSTER** do not need repair shops.

Liberal discount to the trade and satisfactory territory assigned. Catalogues mailed upon application

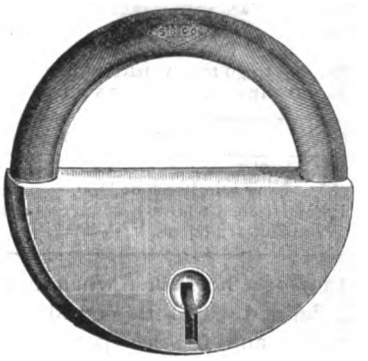
L. STRAUS & SONS,

42, 44, 46 and 48 Warren Street, and 116 Chambers St.,

NEW YORK.

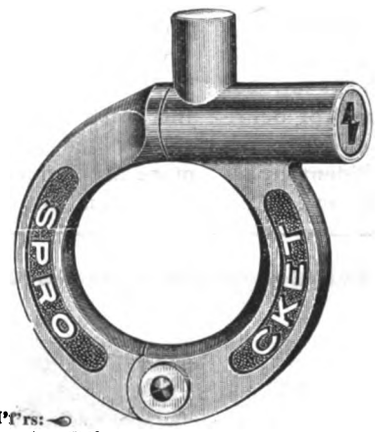


S. B. Co. HIGH GRADE POPULAR PRICED BICYCLE LOCKS ARE STANDARD FOR EXCELLENCE



Bicycle Locks AT All Prices

CATALOGUE SHOWS 55 Different Numbers.

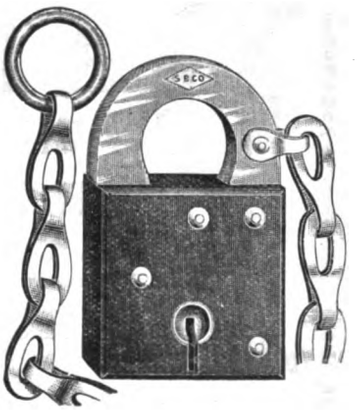


LOCKS TO PLEASE THE Most Fastidious.

AND

LOCKS To Meet the Views of the Most Economical.





Sole M'f'rs:

THE SLAYMAKER-BARRY CO.
(INCORPORATED)
The Largest Mfrs. of Padlocks in the World

Sole Sales Agents:

John H. Graham & Co.

113 CHAMBERS STREET,
NEW YORK.

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THE BARNES WHITE FLYER

Is a Popular and Trustworthy Mount.

IT can boast of more novel features than any machine on wheels. . . . . .

The Barnes Cycle Co.,

Write for Catalogue. Syracuse, N. Y.

The Kirk-Young Mfg. Co.

TOLEDO, OHIO.

Manufacturers of

High Grade Wheels

At Medium Price.

Especially Designed for the Hardware Trade.

Write for Territory and Prices NOW

KEUFFEL & ESSER CO.,

Manufacturers of MEASURING TAPES, Etc.,

BRANCHES:
111 Madison Street, Chicago.
708 Locust Street, St. Louis.

127 FULTON STREET, NEW YORK.

The Home Steel Tape is intended to supersede woven tapes (metallic or linen) by reason of its incomparably greater accuracy and its very low price. The Home Tape has a red bent sewed leather case, with brass-lined month piece, with anti-friction roller The folding brass handle is practically flush. The steel line is ¼ inch wide, and sharply and plainly graduated. The graduations and figures are bright, while the ground surface is nearly black. It is to all appearances a First-Class Steel Tape, but it is not to be compared with our well-known Excelsior steel tapes. Woven tapes are used on account of their very low cost for many purposes for which a more reliable tape ought to be employed, like in the building trades, construction and railroad work, etc. The low priced Home Steel Tape will therefore be welcomed as meeting a frequent requirement.

HOME STEEL TAPES.—Feet divided to inches and 1-8 inches:

25 feet.—No. 80, $34.80 doz. 75 feet.—No. 82, $56 40 doz.
50 feet —No 81, $42.00 doz. 100 feet.—No 83, $72.00 doz.

We can furnish these tapes also with feet divided to 1-10 and 1-100.

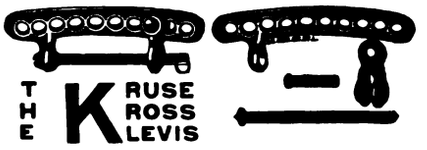
Liberal Discounts to the Trade.

Situation Wanted.

POSITION with manufacturing, wholesale or commission Hardware house, wanted by a thoroughly competent and experienced traveling salesman. Extensive Southern acquaintance. Unexceptional reference. Willing to go to any part of the country. Address "Marion," care of HARDWARE, 143 Chambers Street.

First-Class Side Line Offered.

WANTED—Salesmen to sell our Economy Drilling Compound and Neverslip Bar Belt Dressing; easy to sell; just the thing for a side line; salesmen who sell to manufacturers of metal products preferred. Write for particulars. THE WHITE & BAGLEY CO., Worcester, Mass



THE KRUSE KROSS KLEVIS

This Clevis being adjustable fits any plow. Only one kind to keep in stock.

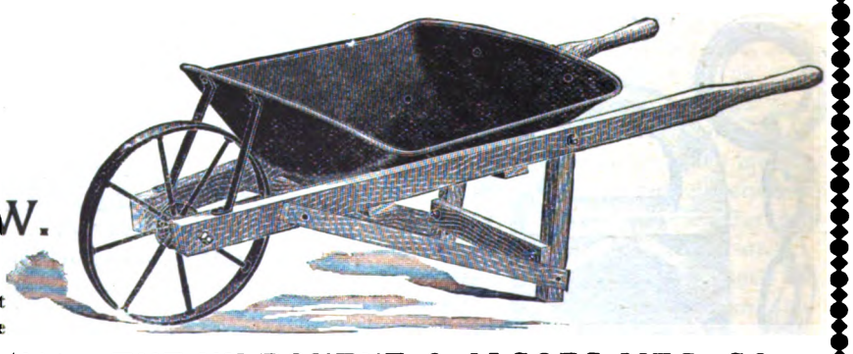
THE KRUSE KROSS KLEVIS CO.,
HIGGINSVILLE, MO.

that of a horseshoe when he forges it. The shape is determined with little consideration for the sound it will produce, and if the particles of molten metal happen to arrange themselves musically, it is only by chance. No wonder that the great cultivated public are tired of bells, and wish their noise was not added to the other noises of the city! The bell in the United States is evidently perpetuated mainly on account of its poetic traditions. And it might be easily, and with little more cost, added to the poetry of our daily life.

Why cannot we take a lesson from our neighbor, Mexico? There the bells are almost all of them melodious; the harsh bell is an exception, and is modern. They say that silver enters into their composition, but there is more art and musical taste in their composition than silver. It is not enough to cast a bell in a certain form.

PAN-AMERICAN R. R. BARROW.

With Round Steel Spoke Wheel The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.



Write THE KILBOURNE & JACOBS MFG. CO.
COLUMBUS, O., U. S. A.

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Its edges must be made thick or thin to produce a desired musical vibration, and it is tuned, filed, and fitted to the note required. And then attention is paid to the manner in which the bell is struck, and the material of the instrument used for evoking the sound. There is need of art in the making and ringing of a bell, as in the making and playing of a piano. We appear to be content with any mass of metal cast in the bell shape, and to let a ringer with the instinct of a blacksmith evoke its dissonance with a sledge-hammer.

Underhill, Clinch & Co., No. 94 Chambers Street, New York, have issued a revised price list of Ship Carpenters' Tools of the Horton, Watts and Bradley brands. They have a stock of these goods on hand, and orders for them can be filled promptly.

Mrs. M. R. Bissell, president of the Bissell Carpet Sweeper Co., is wintering with her family in Nice.

HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

HIGHEST GRADE OILER

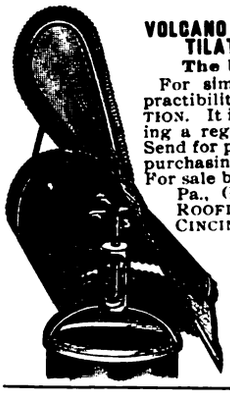
FOR HIGH GRADE WHEELS.



Regulates supply of oil to a drop.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.



BUY IWAN'S VOLCANO REVOLVING AND VENTILATING CHIMNEY TOP.

The best in the world.

For simplicity, durability and practibility, WE DEFY COMPETITION. It is unexcelled in producing a regular draft at all times. Send for prices and sample before purchasing some inferior article. For sale by BERGER BROS., Phila., Pa., GARRY IRON & STEEL ROOFING CO., Cleveland, Ohio, CINCINNATI STAMPING CO., Cincinnati, Ohio, ILLINOIS ROOFING & SUPPLY CO., Chicago, Illinois.

IWAN BROS.,
Sole Mfrs.,
Streator, Ill.

A Perfect Rubber Eraser

THAT WILL NOT SMOOCH.

Indispensable to Architects, Draughtsmen, Book-keepers; in fact to all persons requiring the use of a Perfect Pencil-Mark Eraser. . . . . .

TOWER'S

Multiplex Rubber Eraser

Has been pronounced the best, and is now demanded by, and provided for the Accountants and Draughtsmen of the City of Boston, the Commonwealth of Massachusetts, and in all large and thoroughly equipped offices. The peculiar construction of these ERASERS makes it impossible for them to harden with constant use. . . . . .

J. D. JOHNSTON,

69-79 Mill St., - NEWPORT, R. I.

Agents Wanted in This and All Foreign Countries.

Wheels FOR The People

"APOLLO," $75.00

"VESPER," $50.00

High Grade Juvenile Wheels

"CYCLOE" AND "FAIRY."

LAMPS, BELLS AND SUNDRIES.

Call and see us at Space 49

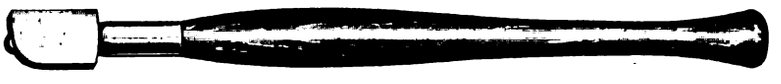
CHICAGO CYCLE SHOW.

EDW. K. TYRON, JR. & CO.,

Send for Catalogue Ready January 1st.

PHILADELPHIA.

GLASS CUTTERS



We want every hardwareman to know that our specialty is the manufacture of . . . Rolling Steel Wheel Glass Cutters and that we can make it worth money to them to handle our goods. Correspondence solicited.

W. L. BARRETT, BRISTOL, CONN., U. S. A.

SKATE GRINDING MACHINERY

WILL GRIND HARD SKATES OR SOFT.

IMPROVED FOOT POWER GRINDERS.

Prices Reduced.

Charles Perkins, Bridgewater, Mass.

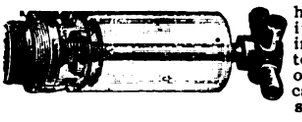
P. . STUB'S FILES. Hubert's French EMERY PAPER.
TOOLS. STEEL. KEARNEY & FOOT FILES

CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST NEW YORK. 109

ADDIS'S Carving Tools. TWIST DRILLS.
Chesterman's TAPES AND RULES. TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of ours

FORBES PATENT DIE STOCKS



CURTIS PATENT NIPPLE HOLDERS.

CURTIS PATENT RATCHET DRILLS.

PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden St., Bridgeport, Conn.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Butte, Mont.—A. M. Holter, No. 1 Silver Bow Block.

Clay Centre, Kan.—The Johnson Hardware Co.

Columbus, Ohio.—The Bedford Hardware Co.

Cripple Creek, Col.— The John Wright Hardware Co.

Mankato, Kan.—The McCarty Hardware Co.

New York, N. Y.—S. B. Daverga, No. 443 Eighth Avenue.

New York, N. Y.—E. Markthaler, No. 506 Columbus Avenue.

North Abingdon, Mass.—B. C. Clark.

Salem, Ky.—Waters & Brown.

Saranac Lake, N. Y.—F. H. Turner.

South Framingham, Mass.—M. E. French.

Trenton, Mo.—The T. A. Murphy Hardware Co.

Record of Changes.

Atlanta, Tex.—Whatley & Spell, Hardware, have dissolved partnership. The business will be continued by T. S. Spell.

Beatrice, Neb. — Barber & Myers have sold their stock of Hardware to Jacob Bigler & Son, of Lincoln.

Brighton, Mich.—S. I. King, Hardware, reported sold to R. E. Baetcke.

Cortland, N. Y.—The firm of Cramer & Mellon, Hardware dealers, has been dissolved, E. E. Mellon retiring. W. K. Hollister has purchased the latter's interest and becomes a member of the firm.

Culleoka, Tex. — W. H. Wilkes, Hardware, has been succeeded by Thomas Bros.

Culpeper, Va.—George F. Stringfellow, Hardware, etc., has sold out to W. A. Thomas, who will continue the business.

Delavan, Ill.—S. M. Dooley & Co. purchased the Hardware and implement stock of Hinton & Kerr.

Denison, Tex.—The firm of F. E. Shaffer & Co., Hardware, has been dissolved. F. E. Shaffer will continue the business.

Elm Creek, Neb.—John McKenzie & Co., Hardware, have been succeeeded by L. G. McKenzie.

Fall River, Mass.—Trafton & Anthony, Hardware, etc., have been succeeded by B. W. Anthony.

Franklin, Ky. — Roby, Taylor & Co., Hardware, etc., have been succeeded by the Franklin Hardware Co.

Groton, N. Y.— Jones & Gobel, Hardware, reported sold out.

Hagerstown, Md.—Edward Hoffman and Ashby P. Conner, this city, have purchased and taken possession of the Hardware store of Hammond & Ankeney.

Harwich, Mass.—Paddock Small, Hardware, reported sold to Alpheus Howes.

Hastings, Neb.—Lawson & Hamot, Hardware, have been succeeded by C. K. Lawson & Co.

Herkimer, N. Y.—Metzger Bros. & Gettley, Hardware, etc., have been succeeded by J. M. Metzger.

Iola, Kan.—J. A. Seitz, Hardware, reported to have sold out.

Ironton, Ohio.—W. M. Kerr & Co., Hardware, reported to have dissolved partnership.

Killeen, Tex. — Varbrough & Burkes, Hardware, etc., have been succeeded by Burkes, Yarbrough & Burkes.

Laredo, Tex.—J. Deutz has retired from the Hardware establishment heretofore known as J. Deutz & Sons, and the business will be continued under the firm name of Deutz Bros.

Littleton, N. H.—The Hardware business of Whittaker & Son has been sold to A. D. Wright, of Middlebury, Vt., who takes possession.

Lodge Pole, Neb.—J. E. Stickney, Hardware, etc., reported sold out.

Madisonville, Ky.— Ruby, Rash & Co., Hardware, have been succeeded by Ruby & Co.

Marshalltown, Iowa.—C. F. Schmidt and George T. Bourne, of Burlington, Iowa, have purchased the Hardware stock of Pemberton & Painter, on West Main Street, and after overhauling and replenishing the stock will open up a neat and attractive store.

Nappannee, Ind. — Shivly & Rousher, Hardware, have been succeeded by Curtis & Carpenter.

Northfield, Vt.—The Hardware firm of Batchelder & Robinson have dissolved, Mr. Batchelder retiring.

Orono, Me.—Walter Powers has sold out his entire stock of Hardware to Fred C. Park. Mr. Park has made some material improvements in his store. The workshop has been enlarged and an office has been partitioned off.

Owosso, Mich. — Thompson & Mann, Hardware dealers, have dissolved partnership, Mr. Mann retiring.

Petaluma, Cal.—L. L. Gross, Hardware and tinware, has been succeeded by Scott & Veale.

Plattsburg, N. Y.—Smith F. Henry, W. Alvin Wood and Albert H. Marshall have formed a co-partnership under the firm name of Henry, Wood & Marshall. They have purchased the Hardware business of J. B. Wener & Co. and Smith F. Henry, both of which concerns have established an extensive and well-paying business throughout northern New York.

Russellville, Ark.—Hall & Smith, Hardware, have been succeeded by C. P. Hall.

Savannah, Mo. — Sommerville & Summers, Hardware, have been succeeded by Sommerville Bros.

St. Ansgar, Iowa.—Colbert Colbertson, the junior member of the Hardware firm of Golberg, Lund & Co., has purchased Mr. Lund's interest and now owns a half interest in the firm. The name of the new firm will be known as Golberg & Colbertson.

Tontogany, Ohio.—W. B. Ladd & Co., Hardware, reported to have dissolved partnership.

Trenton, N. J.—E. K. Rogers & Co., Hardware, etc., have been succeeded by F. E. Weeden & Co.

Veedersburg, Ind.— McAllister & Warren, Hardware, have been succeeded by Easley & Hathaway.

Winston, Mo.— George W. See, Hardware and agricultural implements, reported sold to J. J. Lay.

Improvements and Removals.

Florence, Ala.—Shane & Patrick, Hardware and implement dealers, have moved into new and enlarged quarters.

Denver, Col.—Charles A. Ferguson, Hardware, reported moved to Cripple Creek.

St. Joseph, Mo.— The Parrish-Erickson Hardware Co. have moved to their new quarters at Nos. 516-518 Edmond Street.

Business Embarrassments.

Chippewa Falls, Wis.—Jesse R. Sharp, Hardware, has made an assignment. Liabilities, $28,957; assets, $30,000.

Evansville, Ind.—Sylvester Duffy, Hardware dealer, has made an assignment.

Gaylord, Minn.—Otto Steinke, a Hardware dealer, has made an assignment recently. Liabilities, $5000; assets, $1500.

Knoxville, Tenn.—C. L. Carpenter & Co., Hardware, assigned. Liabilities, $16,000; assets not stated.

Minerva, Ohio.—Nims & Hills, Hardware, have made an assignment to William E. Faas. The assets are placed at $2500, and liabilities at $1200.

Reading, Pa.—Hoff, Lash & Co., Hardware dealers, have made an assignment.

Temple, Tex. — Dodson & Rasberry, Hardware, have made an assignment.

Burglaries in Hardware Stores.

Austin, Tex.—Bengeners, $120.

Cambridge, Ohio. — Carlisle & Grimes, cutlery and revolvers.

Hills, Minn.—Muffer & Larson, $95.

Decatur, Ill.—H. Bain, cutlery and revolvers.

George, Iowa.—H. W. Reintz, $50.

Marble Falls, Tex. — W. H. Andrews, $100.

Milton, Iowa.—Milton Hardware Co., cutlery and $15 in coin.

Port Townsend, Wash.—Nolton & Adams, $100.

Pueblo, Col. — Boob-Francis Hardware Co., $150.

Tiffin, Ohio.—George Ernst, $100.

Fires in Hardware Stores.

Brookston, Tex.—Drum Bros., Hardware, etc., stock destroyed by fire; fully insured.

Emporia, Kan.—J. Q. Burchfield, Hardware, etc., destroyed by fire, at a loss of about $60,000; insured for $30,000.

Farley, Iowa.—Vibber & Heald, Hardware, stock damaged by fire.

Laredo, Mo.—Chambers & Bragg, Hardware, stock destroyed by fire.

Oakland City, Ind.—W. T. Creek, Hardware, stock and building destroyed by fire at a loss of $6500; insured for $4000.

Stoughton, Wis.—The Hardware store of G. Olson was badly damaged by fire recently.

Trumansburg, N. Y.—Biggs & Co., Hardware, destroyed by fire.

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SUNOL BICYCLES

OUR assortment of Bicycles gives you everything that you want from $40 to $100.

The McIntosh-Huntington Company,
Cleveland, - - Ohio.

SUNOL BICYCLES

E. J. JOHNSON & CO.,
MINERS AND SHIPPERS OF
ROOFING SLATE.
OFFICE, 38 PARK ROW,
Quarries, Bangor, Pa. NEW YORK.

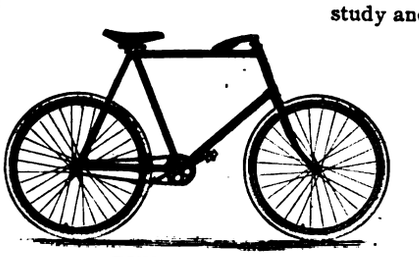
SLATE SLABS OF EVERY DESCRIPTION.
BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

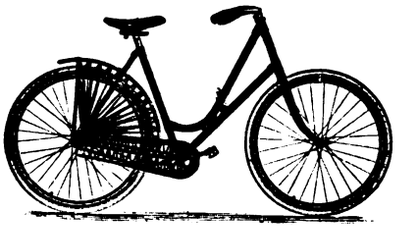
Hardware Manufacturers
Who wish to sell their goods in New England should write to
H. G. HIGGINS & CO.,
Manufacturers' Selling Agents
19 Pearl St., Boston.



You Can Prove For Yourself
In one minutes' time that
THE DOUBLE CINCH HOSE BAND AND MENDER
Is easier put on and better when it *is* on than any other.
Jack Knife and Screw Driver *ALL* the tools needed.
Does not reduce the size of the waterway. . . . .
Send for Catalogue and price list.
CLAYTON & LAMBERT MFG. CO.,
YPSILANTI, MICH.

Ben-Hur BICYCLES
Are Built to Stand
"HARD WEAR."
The pun is unintentional, but the wheel is the result of six years' study and improvement.


BEN-HUR, No 19.

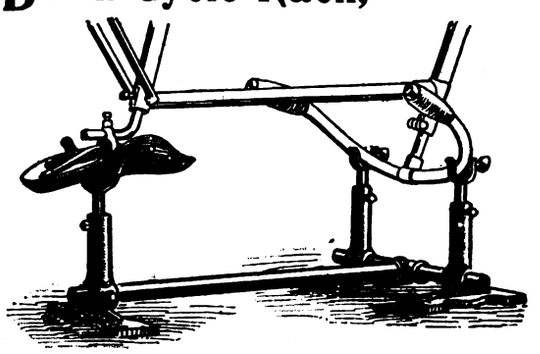

BEN-HUR, No. 20.

THEY have always been as good as the best and they now are "Better than Ever." Our name plate is a guarantee of excellence.
Artistic catalogue, containing cuts and description of our four models and two tandems ready for distribution. Send for one.

CENTRAL CYCLE MFG. CO.,
9 Garden St., INDIANAPOLIS, IND.

Favorite Bicycles
Favorite Lamps.
RECENTLY introduced, but no experiment; we depend upon the quality of our goods to build up our business. Write for Catalogue.
Sharpless & Watts,
PHILADELPHIA, PA.
Jobbers of Tubing and Bicycle Material
Of Every Description.

The Bown Cycle Rack, Price, $6.00
No Repair Shop Complete Without It.
Discount to the Trade.



Manufactured by Geo. Hilsendegen,
Detroit, Mich.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Birmingham, Ala.—John Laloge, of Birmingham, and Mr. Cominge, of Houston, Tex., have organized a company to erect bolt and nut works, with a capital stock of $10,000.

Birmingham, Ala.—The East Birmingham Hardware Specialty Co. will immediately rebuild its $25,000 burned plant.

Chicago, Ill.—American Merchants' Mfg. Co. Capital stock, $7500; to manufacture mechanical devices. Incorporators: Otto A. Drier, E. G. Asay, Jr., and John R. Caverly.

Dayton, Ohio.—The Dayton File Works has been incorporated by Frank W. Gebhart, B. F. Hargrave, O. B. Brown and others. Capital stock, $10,000.

Hoboken, N. J.—The New York & Rochester Steel Mat Co. filed articles of incorporation recently. The concern proposes manufacturing and dealing in steel mats and rubber combination mats. The company will have an office in Guttenberg. Its incorporators are Herman Walker, of Guttenberg; Frederick Walker, of Union Township, and Louis Walker, of Philadelphia. The capital stock is $100,000.

Indianapolis, Ind. — The Tippecanoe Hedge & Wire Fence Co. was incorporated recently with a capital stock of $25,000.

New Haven, Conn.—The United States Hardware Co., organized with the following stockholders: F. F. Bishop, Granville W. Wright, Howard C. Rich and Lyman W. Law. The capital stock is $20,000. The company is formed to manufacture Hardware for burial caskets. The business will be carried on at No. 125 Water Street.

New York, N. Y.—The Weak Ankle Skate Brace Co.; to manufacture skates. Capital, $10,000. Directors: Frederick Williams, Luke W. Kenner and Mary Conroy, of New York City.

Portland, Me.—The Standard Thermometer Co., organized for the purpose of manufacturing thermometers, with $200,000 capital stock. The officers are: President, Roger Upton, of Concord, Mass.; treasurer, Samuel C. Ford, of Peabody, Mass.

Richmond, Ind.— The Corus Fence & Foundry Co., incorporated, with a capital stock of $50,000. The company will manufacture fence and fence supplies.

Utica, N. Y.—The Utica Extinguisher Co. has been incorporated by Henry A. Doolittle, Thos. B. Keating, Wm. C. Pomfret, of Utica, and Ferdinand Rose; to manufacture fire extinguishers and copper ware. Capital stock, $15,000.

Worcester, Mass.—The Anthony-Bates Machine Co. has been incorporated by George E. Bates, president; A. H. Anthony, treasurer; to manufacture machine tools and implements. Capital stock, $20,000.

Worcester, Mass. — Metallic Goods Co. Capital stock, $5000. Directors: Arthur M. Evans, president and treasurer; J. William Buzzell and Henry F. Harris. Purpose of organization, the manufacture and sale of wire and metal goods, the making of machinery and appliances for the manufacture of snch goods.

Changes and Removals.

Freeport, Ill.—The Warner Hardware Co. have moved their manufactory from Spring Street to the east end of Washington Street, near the Illinois Central tracks.

Norwich, Conn.—The Norwich Nickel & Brass Works are moving into their new quarters in the Industrial building, Falls Avenue.

Rock Island, Ill.—The Sterling Mfg. Co., making heavy Hardware, removed to Rock Island, occupying the old Thompson foundry. About twenty hands will be employed.

New Buildings and Improvements.

Anderson, Ind.—The proprietors of the Arcade File Works contemplate making some very valuable improvements at that institution. If their present calculations are carried out they will erect commodious forging and grinding departments. Heretofore the plant has been entirely too small. The enlargement of the factory will necessitate increasing the number of men employed.

Dunkirk, N. Y.—The Romer Axe Co. have ordered additional machinery and will put into their factory an electric light plant and employ more men.

Sultan, Neb. — Fourteen additional nail machines have been put in place at the nail works.

Recent Fires.

East Birmingham, Ala.—The East Birmingham Hardware Specialty Works have been destroyed by fire.

General.

Ironton, Ohio.—The stockholders of the Kelly Nail & Iron Co. held a meeting at the company's office recently and re-elected the following board of directors: Col. Chas. Parrott and W. W. Franklin, of Columbus; D. S. Gray, E. L. Hinman, Oscar Richey, Lindsey Kelly and Ironton A. Kelly.

Kansas City, Mo.— The Russell Hardware & Implement Mfg. Co. have elected a board of directors, consisting of A. H. Russell, R. C. Maxwell, F. C. Wyatt, J. C. Maguhlman and John A. Kerr.

Southington, Conn.—The annual meeting of the stockholders of the Ætna Nut Co. was held recently and the old board of directors re-elected.

St. Louis, Mo.—Miller Lock Co. Directors: W. H. Thompson, W. F. Boyle and L. Cass Miller.

Wallingford, Conn.—At the annual meeting of the Housatonic Brass Co. the following directors were elected: C. A. Hamilton, G. E. Terry, J. B Underwood, E. A. Russell and F. F. Terry. The officers elected were: C. A. Hamilton, president; F. F. Terry, treasurer; E. A. Russell, secretary.

$2,150,000 Per Ton.

At the recent meeting of the South Staffordshire Institute of Iron and Steel Works, Manager Thomas Morris presented some interesting facts about the remarkable achievements that have been reached in the manufacture of fine wire. He gave an interesting description of the various articles that illustrated his paper, especially the various wires, and pointed out that the Warrington wire manufacturer who presented him with many of the specimens got $4.32 per pound, or over $8600 per ton, for the specimen of drawn wire, which was largely used in the construction of pianos and other musical and mechanical instruments. For the pinion wire he got $21.60 per pound, or $43,200 per ton. It took 754 hair springs to weigh an ounce of 437½ grains. It took 27,000,000 of them to weigh a ton, and, taking one to be worth a cent and a half, the value of a ton of these apparently cheap little things ran up to over $400,000. The barbed instrument used by dentists for extracting nerves from teeth was even more expensive, representing a rate of $2,150,000 per ton. A mile length of No. 19 size wire only weighed 21 pounds and many of the ingots were 12 to 14 cwt. each, and after allowing for all waste, they could get fifty miles of wire from one ingot.—*Boston Journal of Commerce.*

Blacksmithing in Corea.

"One of our ponies had to be shod, and another time we put shoes on the bull which carried the baggage. The pony was first thrown on the ground and his four legs were tied together so that he couldn't possibly kick. Then the blacksmith pounded hoop-iron shoes on his feet with a rude iron hammer. It was the same with the bull, though one man had to sit on his head while he was being shod. The iron seemed to be very good, and it comes from the mines in the northern part of the country. The tools of the country are made of it, and the farming tools are very ingenious, the three and four-pronged hoes being quite as good as anything we have in America. They were making tools in this blacksmith shop, and all the tools and plows are made by hand. The blacksmith had a aude bellows which was worked by a boy, who stood on a seesaw, and by moving up and down pumped the fire into a blaze. In other places I saw bellows which boys worked by pulling a stick in and out like that of a squirt gun, and everything is rude in the extreme. Sometimes horses are shod by being strapped up to poles, so that only two of their feet can rest on the ground, and the band which goes around the belly holds the horse up while he is shod."—*The American.*

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A MEDIUM PRICED STOVE

WITH INDIVIDUAL BURNER AND PROCESS FLAME



WILL be a leader in the **Vapor Stove** business for 1896. This fact is conceded by all. Examine the merits of **our "D" line** before placing your order for this line of Stoves.

More beautiful and better operating lines than our **Reliable Process** and **Single Generating Stoves** are not manufactured. . . .

The Schneider & Trenkamp Co.

CLEVELAND, OHIO. **CHICAGO, ILL.**

"THE AMERICA."

A Bicycle

Riders and Dealers Appreciate.

With up-to-date improvements and

That is Built
That Runs . .
That Looks .
That Stays . .

Right

"The America"



Models include not only the usual straight bar frames, but the Original and

Improved "Truss" Frame,

made and patents owned by the International Mfg. Co., under the personal supervision of the inventor thereof.

We also make the finest Tandem on the market, both double Diamond, and Diamond and drop frame.

The Union Nut & Bolt Co.

107 Chambers and 91 Reade Sts., New York.

Agents for Northern New Jersey, and Central and Eastern New York State and the Metropolitan District; also the Export Trade.

We want an Agent in every large town and City in our territory. Write for Terms. . . .

BUFFALO WHEEL CO. NIAGARA BUFFALO, N.Y. U.S.A.

B.E.&E.Co.

This name-plate means the Best Bicycle made.

Send for Catalogue. ◆ Correspond with us.

BUFFALO WHEEL CO., Buffalo, N. Y.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Alexandria, Ind.—J. P. Strom, of Anderson, Ind., has opened branch store.

Bethel, Ohio.—W. M. Scott, Hardware, etc., preparing to take up bicycles. Wants good agency.

Boise, Idaho.—Spalding & Gordon, bicycles, have commenced business, and will add a repairing department.

Boston, Mass.—Wales Mfg. Co. will be the name of the bicycle department of Brown & Wales, Nos. 69 to 83 Purchase Street; bicycles, supplies and sundries will be wholesale. The company will also manufacture bicycle cork handles.

Clarion, Pa.—John A. Magee, Hardware, etc., is preparing to take up bicycles, and solicits propositions from manufacturers of wheels and sundries.

Cicero, Ind.—George Anthony, bicycles, has opened new store.

Columbus, Ind.—The Columbus Brass & Iron Co. have commenced the manufacture of bicycles, turning out a high grade wheel called the Hoosier.

Dardanelle, Ark.—W. E. Partin, machinery, is preparing to handle bicycles, and is in the market for a good agency.

Eugene, Ind.—Fultz & Parke, Hardware, etc., is preparing to take up bicycles, and is inviting propositions from manufacturers of wheels and sundries.

Georgetown, Ohio.—M. G. Swope, implements, etc., is preparing to take up bicycles, and invites propositions from manufacturers of wheels and sundries.

Green Spring, Ohio.—A. R. Kanney, Hardware, etc., will take up bicycles, and invites correspondence with manufacturers of wheels and sundries.

Hamilton, Ohio.—Fred J. Meyers Mfg. Co. have perfected their arrangements to manufacture bicycles, turning out a high grade wheel known as the Blue Grass. They have established an Eastern agency at No. 69 Beekman Street, New York, with F. J. Mattison in charge.

Homer, Mich.—Steps are being taken, looking to the organization of a company to manufacture bicycles.

Houston, Tex.—C. L. and Theo. Bering, stoves, cutlery, etc., of No. 1014 Prairie Avenue, are adding bicycles and sundries.

Lapel, Ind.—Huffman & Bird, Hardware, etc., are preparing to take up bicycles, and invite propositions from manufacturers of wheels and sundries.

Lincoln, Neb.—Milmine & Clark, bicycles, commenced business, acting as agents for the Fowler bicycle.

Little Rock, Ark.—Edward Vaughn has equipped a factory and will commence manufacturing bicycles.

Louisville, Ky.—Chas. C. Nolting & Co., First and Walnut Streets, bicycles, have accepted the agency for the America bicycle, manufactured by the International Mfg. Co., of Chicago.

Louisville, Ky.—W. A. Thomas, bicycles, has commenced business at No. 327 West Walnut Street, and will handle the Crimson Rim and a line of medium grade wheels.

Malvern, Ark.—McNutt & Cooper, Hardware and furniture, preparing to take up bicycles, and invites correspondence from manufacturers.

Melbourne, Australia.—Sutton Bros. invite propositions from American manufacturers of bicycles, looking to accepting Australian agency.

Middletown, Ohio.—C. C. Fouts, Hardware, sporting goods, etc., is preparing to take up bicycles, and is inviting correspondence from manufacturers of wheels and sundries.

Milwaukee, Wis.—Wisconsin International Water Cycle Co., manufacturers and dealers, has been incorporated.

Mitchell, S. D.—The Rogers Mfg Co., incorporated by W. J. Healey, A. J. Pollard, T. Fullerton, R. G. Welch and others, to manufacture bicycles. Capital stock, $50,000.

Mobile, Ala.—Quinn & Paukette, bicycles, have been appointed agents for the Dayton and Keating wheels.

Montpelier, Ohio.—D. M. Markham, Hardware, etc., will add a cheaper grade bicycle. Desires correspondence with manufacturers of other than high grade wheels.

Newberry, Ind.—H. C. Owen, farm implements, is preparing to take up bicycles. He desires correspondence with manufacturers of wheels and sundries.

New York, N. Y.—The New York Bicycle Equipment Co., incorporated by David Henry Darling, Victor E. Barkland and George A. Smith, of New York. Capital stock, $500,000.

New York, N. Y.—R. H. Wolff & Co., manufacturing the Wolff-American high grade bicycle, will open new warerooms at No. 8 East Forty-second Street.

New York, N. Y.—The Monarch Cycle Mfg. Co., of Chicago, have perfected their final plans as to a New York office, and are now installed in commodious quarters at No. 83 Reade Street, corner Church, with Chandler Robbins as resident manager. He is vice-president of the company.

New York, N. Y.—Surpless, Dunn & Alder, No. 15 Murray Street, have been appointed New York State agents for the Puritan and Hector bicycles, manufactured by O. J. Faxon & Co., Boston, who state that their entire output for '96 has been sold, and an additional factory will be erected. Plans are now under consideration for this purpose.

New York, N. Y.—Robert H. Ingersoll, sporting goods and bicycle sundries, has opened new store at No. 67 Cortlandt Street.

New York, N. Y.—Maiden Lane Bicycle Co. have commenced business at No. 20 Maiden Lane, dealing in bicycles and sundries.

New York, N. Y.—Thos. Ward, bicycles, commenced business at No. 63 Barclay Street, handling the Crescent wheel.

New York, N. Y.—Fulton Bicycle Co., bicycles and sundries, commenced business at No. 124 Fulton Street.

New York, N. Y.—J. Lurie, bicycles and sundries, commenced business at No. 214 St. Nicholas Avenue.

Roanoke, Va.—Joseph Friend and R. E. Beeton are preparing to establish a bicycle factory.

Richmond, Va.—Temple & Wallace is the name of a new firm, composed of Toohig Temple and C. W. Wallace, who will enter the bicycle business, corner Main and Jefferson Streets. A bicycle school and riding academy will be opened.

St. Louis, Mo.—The Landis Wax Thread Sewing Machine Co. have commenced the manufacture of bicycles, and will put on the market a wheel to be known as the Moon, after the name J. C. Moon, president of the company.

Toledo, Ohio.—Smith & Sprague, real estate dealers, will go into the bicycle business, Eastern capitalists being interested with them. A factory to employ 200 men is to be erected at once, and it is stated that the product will be on the market within two months.

Toledo, Ohio.—The Wilson Cycle Co., incorporated, with Louis Krauss, president; W. P. McKaye, secretary and treasurer, and Geo. Wilson, Jr., manager. The company will occupy new factory building just erected; are now in the market for the necessary machinery. The Valentine wheel will be manufactured, and sales will be made direct to purchasers.

Washington, D. C.—C. M. Billingsley, bicycles, commenced business on Ninth Street, between H and I. He will handle the National wheel.

Washington, D. C.—K. von Rodenstein, bicycles, has commenced business at No. 730 Fifteenth Street, handling the Cleveland and Lyndhurst.

Changes and Removals.

Boston, Mass.—Razoux & Handy, bicycles, reported to have dissolved co-partnership.

Chattanooga, Tenn.—Graham Cycle Co., manufacturers of bicycles, reported to have dissolved co-partnership.

Montclair, N. J.—Walter Rutan, bicycles, reported to have been succeeded by Rutan & Stultz.

Newark, N. J.—Charles K. Terrell, bicycles, has been succeeded by new firm, under the style of Terrell & Munn.

Redwood City, Cal.—Johnson & Hughes, bicycles, reported to have been succeeded by Johnson & Lovis.

San Francisco, Cal.—Zitske & Moyniham, wholesale bicycles, reported to have dissolved co-partnership.

St. Joseph, Mo.—McSpadden & Co., bicycles, have removed to larger quarters at No. 423 Francis Street.

New Goods and Improvements.

Denver, Col.—The Overman Wheel Co. have commenced the erection of new sales and storage building adjoining the Gilsey. They will vacate their present quarters as soon as the present building is completed.

Seattle, Wash.—The Seattle Cycle Co. are enlarging their warerooms, and report prospects for increased business.

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"UPON the integrity of each individual part depends the value of the whole. The most powerful chain measures its strength with its weakest link."

We Recognize This Fact

as is shown by the construction of the



Iver Johnson AND Fitchburg Cycles,

in which you will find the most scientific Fork Crown ever devised; the first really good Crank Shaft Adjustment ever made—simple, positive and certain—a forged steel Crank Hanger and forged steel Crank and Axle in one piece, and many other improvements.

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C. J. GODFREY,
11 Warren St, New York.
General Agent for New York, New Jersey and Pennsylvania.

Iver Johnson's Arms and Cycle Works,
FITCHBURG, MASS.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.
Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and
Nickel-Plating.



When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES
ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD BICYCLES

100.00
60.00
50.00
40.00

List Prices for 1896.

THE CRAWFORD MFG. CO.

BRANCH HOUSES:
New York, 70 and 72 Reade St.
St. Louis, 608 North 4th St.

Factory and Main Office:
HAGERSTOWN, MD.

New England Agents, Bigelow & Dowse Co., Boston, Mass.

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THE

Emblem Cycles

1896 Leaders

ARE BUILT TO RIDE.

Barrel Hubs, Wood Rims, Spokes and Nipples, in any quantity. . . . .

High Grade Wheels at a Medium Price.

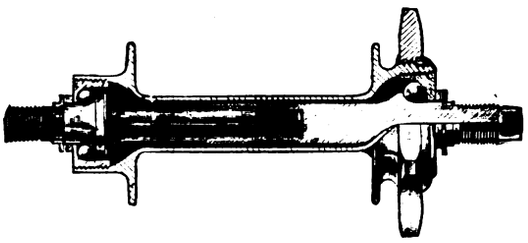
Apply **NOW** for Territory.

Send for Catalogue and Prices.

W. G. Schack,

641 } Main St. • Buffalo, N. Y.
875 }

Truman Bicycles.



This is our Coneless Hub.

CAN YOU BEAT IT

FOR SIMPLICITY?

All our Wheels fitted with this Patent Hub.

Apply now for Territory.

Plenty of Material.

Deliveries Guaranteed.

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(Cable or Mail,)

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Toledo, O.

THE CLEVELAND CYCLE

The Highest of the High Grade

$100.00

Just a Little Better

DESIGN
CONSTRUCTION
FINISH
STRENGTH
DURABILITY
BEARING
CHAIN
PEDAL
TIRES

Than Any Other Cycle.

BEST SELLING
BEST SATISFYING
BEST TRADE BUILDER
IN THE MARKET.

Address for Prices, Terms and Territory

H. A. Lozier & Co.,

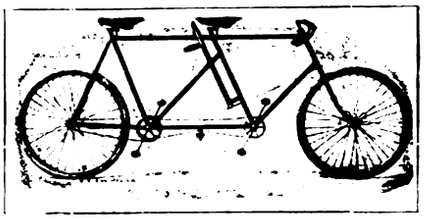
BRANCH HOUSES:
337 Broadway, New York City,
830 Arch Street, Philadelphia, Pa.
304 McAllister Street, San Francisco, Cal.

CLEVELAND, OHIO.

OUR CATALOGUE IS READY FOR 1896.

IT IS COMPLETE

With much information pertaining to bicycling and bicycles, and will prove interesting reading to all. Our line of wheels is one of the most complete on the market. We have three factories in which we build high-grade wheels, medium price machines and children's wheels.



TEMPLE TANDEM.

OUR PRICES at $100.00 to $40.00

Comprise Machines Listed at $40, $50, $60, $75, $85, $100.00, also $150.00 and $175.00 for Tandems and Parcel Carriers. . . .

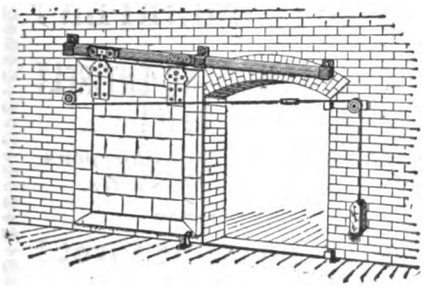
WE MANUFACTURE our own Saddles, Pedals and Tires, and guarantee to keep our wheels in repair for one year.

Ralph Temple Cycle Co.,

CATALOGUE MAILED FREE (To any one.)

204 35th St., CHICAGO, ILL.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

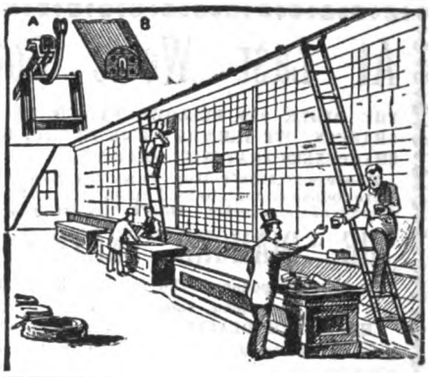
Parlor, Barn and Fire Door Hangers.

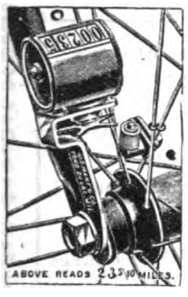
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COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





U. S. Cyclometers for Bicycles, Price, $1.50

U.S. CYCLOMETERS MODEL '96 DETACHABLE ODOMETERS and LAMP BRACKETS

FOR CARRIAGES.

10,000 MILES. WEIGHS 1¼ OUNCES. ONE INCH LONG.

Attaches on Right Side. Repeats or may easily be set. Reads Plainly from Saddle. . . . . Made for 20, 22, 24, 26, 27¾, 28, 30 to 46 inch Wheels. . .

Has an entirely new register action, a train of positive gears, simple and very strong, taking place of pawl system used in '95.

Guarantee Every U. S. Cyclometer guaranteed accurate. Should it get out of order accidentally or otherwise, will be repaired or replaced free of charge. . .

SEND FOR ELECTROTYPES AND PRICES.

Canadian Agents,

Rice, Lewis & Son, Ltd.

TORONTO, ONT.

U. S. Manufacturing Co.,

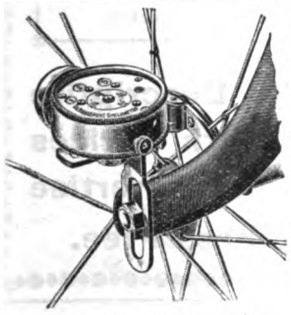
FOND DU LAC, WIS., U. S. A.



U.S. Odometer for Carriages. Price $2.25

"Above reads 23⅝ miles."

Registers 10,000 miles. Made for all size wheels. Give diameter of front wheel when ordering



DING! THAT'S HOW THE BELL RINGS

On a Model "B"

BRIDGEPORT CYCLOMETER

At the end of every mile.

This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

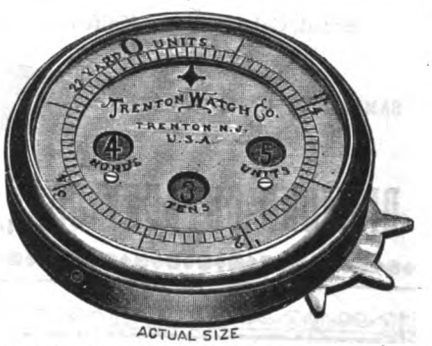
Rings a Bell at Every Mile.

FULLY GUARANTEED.

Sold by all dealers at a low price. Discount to the trade upon application. Send for catalogue.

The Bridgeport Gun Implement Co.,

313-315 Broadway, New York.



ACTUAL SIZE

"TRENTON" CYCLOMETERS ARE THE BEST.

MADE OF ALUMINUM.

Light, Strong, and Accurate. Electrotypes supplied to the trade upon application.

TRENTON WATCH CO., Trenton, N. J.

SICKELS, SWEET & LYON,

Office, 35 Barclay St., Warehouse, 40 Park Place, New York.

NEW YORK AGENTS FOR . . . . . .

Withington & Cooley Mfg. Co. Farming Tools,

RELAY · BICYCLES.

Cortland Door and Window Screens, Eagle Files, U. S. Screw Co. Wood Screws. . .

Spring Catalogue, No. 11, issued about February 10th.

SICKELS, PRESTON & NUTTING CO., Davenport, Iowa.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

SEASONABLE GOODS FOR WHICH WE ARE AGENTS:

P. Lowentraut's Ice Skates,

Oliver Ames & Sons' Steel Snow Shovels,

Saugatuck Mfg. Co.'s Wooden Snow Shovels,

G. W. Bradley's Heavy Sidewalk Chisels.

TRIBUNE BICYCLES.

The Best in The World.



Send for Catalogue.

THE BLACK MFG. CO.,

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BICYCLE SADDLES

WESTBORO, MASS.

Request

Your Manufacturers or Jobbers to deliver your Bicycles fitted with . . . . . .

Hunt Saddles and Tool Bags

If you desire first class goods.

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At Last We've Got "'Em," SHARPENERS THAT SHARPEN!

THE OTHER 999 FELLOWS FAILED BECAUSE THEIR SHARPENERS DIDN'T SHARPEN, WE ARE THE 1000th TO TRY; BUT THE FIRST TO SUCCEED MAKING SHARPENERS THAT WILL SHARPEN.

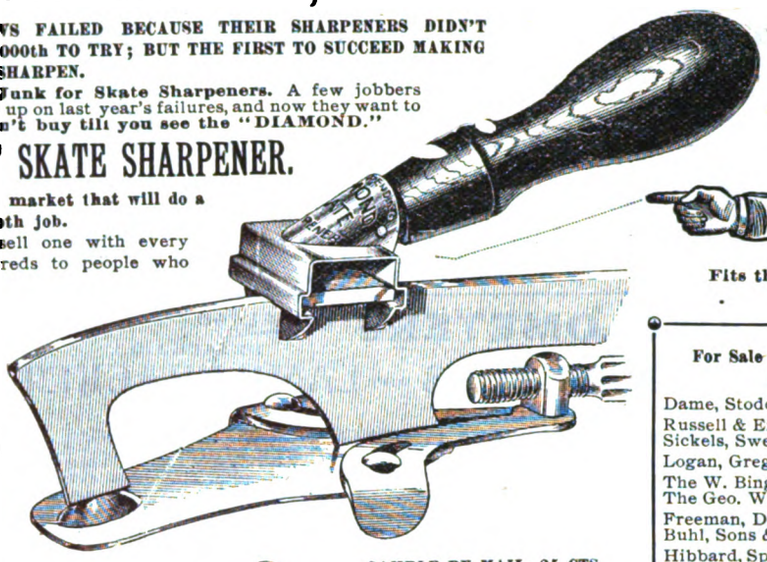
Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "DIAMOND."**

THE "DIAMOND" SKATE SHARPENER.

The only Sharpener on the market that will do a clean, smooth job.

HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.

All our Sharpeners are elegantly nickel-plated and packed one dozen in a box.



SAMPLE BY MAIL, 25 CTS.

SOMETHING ENTIRELY NEW!

Every Boy Sharpens his own Skates.



See that Pivot!

Fits the Curve of any Skate.

For Sale by the Following Wholesale Hardware Houses:

Dame, Stoddard & Kendall, Boston.
Russell & Erwin Mfg. Co., Sickels, Sweet & Lyon, } N. Y. City.
Logan, Gregg & Co., Pittsburg.
The W. Bingham Co. The Geo. Worthington Co., } Cleveland.
Freeman, Delamater & Co., Buhl, Sons & Co., } Detroit.
Hibbard, Spencer, Bartlett & Co. Wells & Nellegar Co., } Chicago
Simmons Hdw. Co., St. Louis.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.
Rector & Wilhelmy Co., Omaha.
Farwell, Ozmun, Kirk & Co., St. Paul.
John Pritzlaff Hdw. Co., Milwaukee.

The "Diamond" Knife Sharpener

Puts a **keen, lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.

SAMPLE BY MAIL, 25 CENTS.



Write for Descriptive Circular with Prices and How to Advertise Your Business Free.

DIAMOND CUTLERY CO., 58-60-62 Broadway, N. Y. AND 1465 & 1467 State St., Chicago.

Experienced AND Progressive Dealers

are looking for a wheel for the **present and future.** Not a bicycle of the **past.** Because a wheel was popular when riders were satisfied with a **forty pound roadster** it does not follow that it is up to the mark **to-day.**

The DAYTON

Is a Modern Wheel,

right in line with the ideas and demands of **up-to-date dealers** and riders, one which attracts attention, favorable comment and **trade** wherever shown.

REMEMBER! 1 1-4 inch tubing not swaged.

The Davis Sewing Machine Co.,

Dayton, Ohio.

338-340 Wabash Ave., CHICAGO. 76 Reade St., NEW YORK. 159 Tremont St., BOSTON.

AGENTS WANTED IN TERRITORY NOT ALREADY CONTRACTED.

Mention "HARDWARE."

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Syracuse Bicycles

SPIN TO WIN.

Keep Your Eye on the Crimson Rims.

It always pays to buy the best and doubly so when the best costs no more than one not so good.

$100

THE CRIMSON RIM SYRACUSE WHEEL

is the highest type of standard high grade bicycles. Besides being one of the handsomest and prettiest wheels, it is the lightest and strongest.

There is but one Crimson Rim--
It is the SYRACUSE.

It will pay Hardwaremen to correspond with us.

Chas. J. Stebbins,

103 Reade Street, New York City.

Agent for Southern New York and Northern New Jersey.

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Your Business is Incomplete



If you have not added to it a line of high grade and reliable bicycles. True as this is, it is fully as true that nothing will so jeopardize your business and reputation as a line of unreliable wheels, whose only virtue may be cheapness. . . .

GOLD CRANK **FALCON** BICYCLES

Are well and favorably known from Maine to Texas. A **FALCON** agency contract is as good as greenbacks. . . .

Write for Catalogue and Discounts

The Yost Mfg. Co.,

Yost Station. TOLEDO, OHIO.

Gives Perfect Satisfaction

To both Buyer and Seller.

The Envoy
AND
Fleetwing.

We will exhibit at Chicago Cycle Show in space 178 and 179, at the New York Show in space 179, where we will be glad to meet our friends. . . . . .

Manufactured by the

BUFFALO CYCLE CO.,

Buffalo, N. Y.

Get in Line for 1896 Agency.

APPLY AT ONCE.

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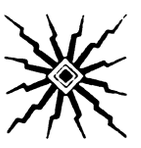
The Hardware Trade

can profitably handle **BICYCLES,** and make this department an important branch of the business, provided the wheels are strictly high-grade, and have an established reputation. For eighty years . . . . . .

Remington Products

have been known to represent excellence and reliability. The **'96 Models**

Remington Bicycles . .



are perfect in construction and unequalled in improvements. . . . . .

Are you handling the right line of Wheels?

Handsomely Illustrated Catalogue mailed free to any address.

Agencies arranged in unoccupied territory.

REMINGTON ARMS COMPANY,

Factories: Ilion, N. Y. 313-315 Broadway, New York City.

THE

SECOND ANNUAL

Sportsmen's Exposition

Under the auspices of the **SPORTSMEN'S ASSOCIATION** at

Madison Square Garden, New York,

March 16th to 21st, 1896,

Promises to be the most complete and interesting exhibit of Sportmen's goods and appliances ever held.

Intending exhibitors who have not yet secured space for their exhibits, should apply at once for diagrams, application blanks, and particulars, to

FRANK W. SANGER, Mgr.,
Madison Square Garden, New York City.

Among those to whom spaces have been awarded and reserved thus far are the following:

E. I. Dupont de Nemours & Co.
Overman Wheel Co.
H. H. Kiffe Co.
Obrig Camera Co.
Recreation Publishing Co.
Francis Bannerman.
Outing Publishing Co.
Cleveland Target Co.
Marlin Firearms Co.
Schoverling, Daly & Gales.
Colt Pat. Firearms Mfg. Co.
Forest and Stream.
Empire Target Co.
Hunter Arms Co.
Leroy Shot & Lead Works.
Winchester Repeating Arms Co.
Von Lengerke & Detmold.
B. Altman & Co.
Iver Johnson's Arms & Cycle Works.
Union Metallic Cartridge Co.
Geo. Paddock.
King Powder Co.
Hermann Boker & Co.
Syracuse Arms Co.
Bridgeport Gun Implement Co.
Laflin & Rand Powder Co.
Parker Bros.
Cushman & Denison.
Electric Boat Co.
Remingt n Arms Co.
Peters Cartridge Co.,
Miss Cornelia T. Crosby.
Anker Bouillion Capsule Co.
Hazard Powder Co.
A. G. Spalding & Bros.
U. S. Net & Twine Co.
G. W. Cole & Co.
Tatham Brothers.
Cheever, Coit & Co.
The Tie Co.
A. J. Cammeyer.
Housatonic Skiff & Canoe Co.
Lehigh Valley R. R. Co
Lefever Arms Co.
American Smokeless Powder Co.
Standard Typewriter Co.

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1896

Lovell Diamond Bicycles.

STRICTLY HIGH GRADE.

$100.

Lovell Excel Bicycles,

MEDIUM PRICE.

$40 to $75.

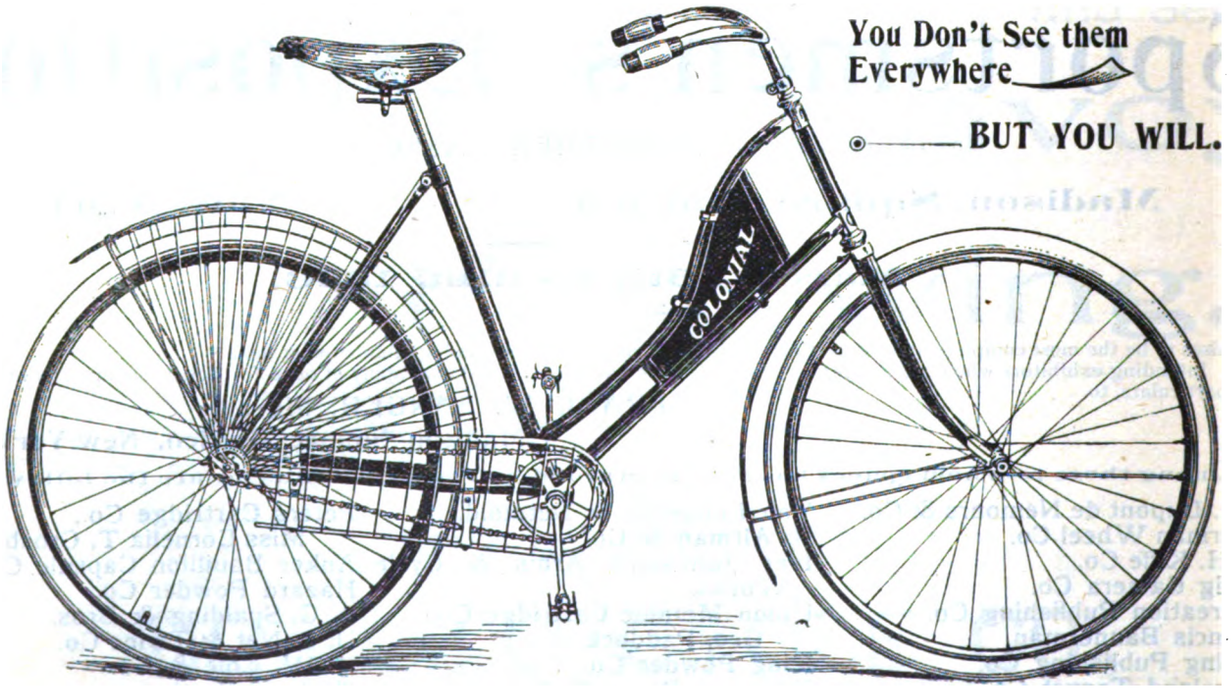
APPLY NOW FOR '96 AGENCY.

John P. Lovell Arms Co.,

BOSTON. MASS.

The Colonial

Recognized as the SOCIETY WHEEL



You Don't See them Everywhere BUT YOU WILL.

JOHN McCLAVE & SONS, MAKERS,

602-604-606 W. 22d ST., New York City.

Salesroom, 371 Fifth Avenue, Southeast corner of 35th Street.

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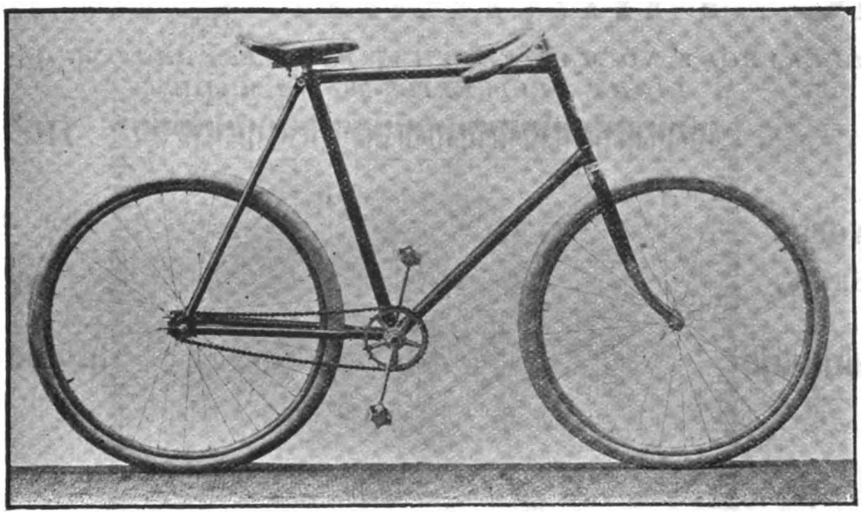
THE REPUTATION OF CRESCENT BICYCLES

IS ESTABLISHED.

Agents will consequently find them ready sellers, and a satisfactory line to handle. . . . . . .

✳ ✳

Crescent, No. 1.



Price, $75.

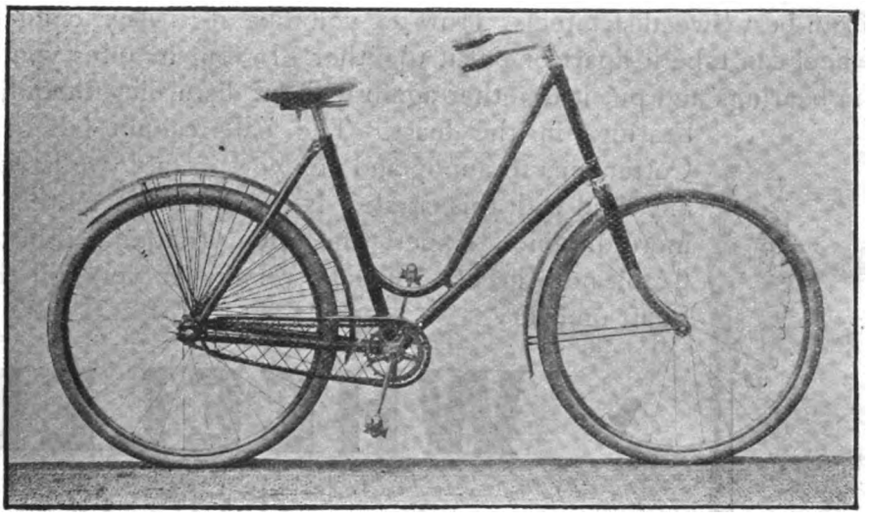
✳ ✳

The product of the largest Bicycle factory in the world. . . . . . .

Their quality is of the best and our immense capacity is a guarantee against disappointment in the matter of deliveries. . . .

✳ ✳

Crescent, No. 4.



Price, $75.

✳ ✳

WE ARE ADDING TO OUR LIST OF AGENTS.

Western Wheel Works,

Factory,
Wells and Schiller Sts., Chicago, Ill.

BUILDERS

Eastern Branch,
36 Warren St., New York City.

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THERE IS NO MONEY IN NAILS.

Self Protection

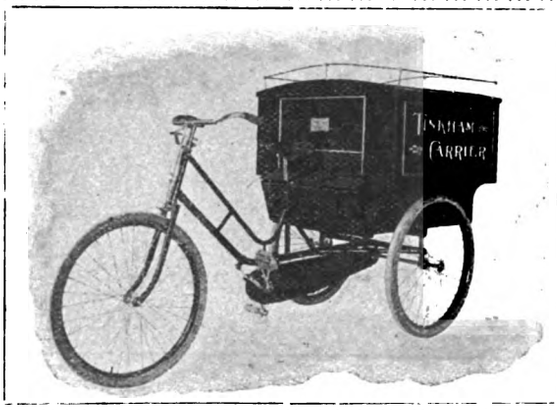
Forces the Hardware trade to sell goods with a legitimate profit with . . .

NO STRING TIED TO IT.

The Tinkham Carrier

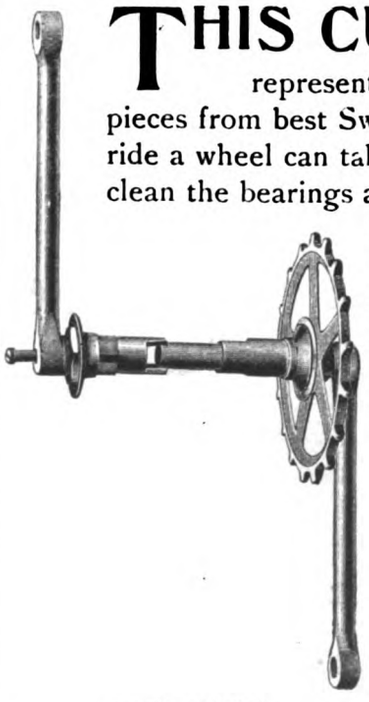
SELLS TO EVERYBODY NO MATTER WHAT BUSINESS AS LONG AS THERE ARE LIGHT DELIVERIES TO BE MADE.

CATALOGUE IS YOURS FOR THE ASKING.



THE TINKHAM CYCLE CO.,
306, 308, 310 W. 59th Street,
NEW YORK.

THIS CUT



represents our **Telescopic Detachable Crank Shaft,** forged in two pieces from best Sweedish Steel. How do you like it? Any child old enough to ride a wheel can take it apart or put it together. In four minutes you can take it out, clean the bearings and put it together again without disturbing the adjustment of the bearings in the least. The balls cannot fall out, there are no Cotter pins to annoy and vex you, in fact you have no trouble of any kind with this crank. Nothing can be more simple—nothing more durable. Expert wheelmen pronounce it out of sight of any Crank now in use. Please remember you will find this Crank Shaft on every

WHEELER

Price $85.00

PATENT PENDING.

The Peer of Any Wheel on Earth.

Do not buy your '96 Mount until you have examined the Wheeler. We want Good Live Agents. It will be worth your time to write us for Catalogue and Discounts

The DEFIANCE BICYCLE CO.,
Defiance, Ohio.

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At the Chicago Cycle Show

Sager Saddles

WERE SHOWN ON 281 WHEELS.

Its nearest competitor for honors counted 191. Twenty-six bicycle exhibits showed one make of Saddles exclusively. . . . . .

Sagers were on Twelve of the Twenty-Six.

No other maker could count more than five exclusive exhibits.

MAKERS OF THE MAJORITY OF HIGH GRADE SADDLES.

SAGER MFG. CO.,

ROCHESTER, N. Y.

---

30 YEARS' EXPERIENCE

Working high grade metals into firearms has taught us a thing or two. Five years manufacturing Bicycles tells us the rest, and we know that there is no Higher Grade Bicycle made than the

MAJESTIC

WOMEN'S Loop Frame, 22 inches. **$85.00** MEN'S 22, 24 and 26 inch Frame.

. . . AGENCIES CLOSING NOW. . . .

Talking Point No. 1--Four Different Sizes of Frames.

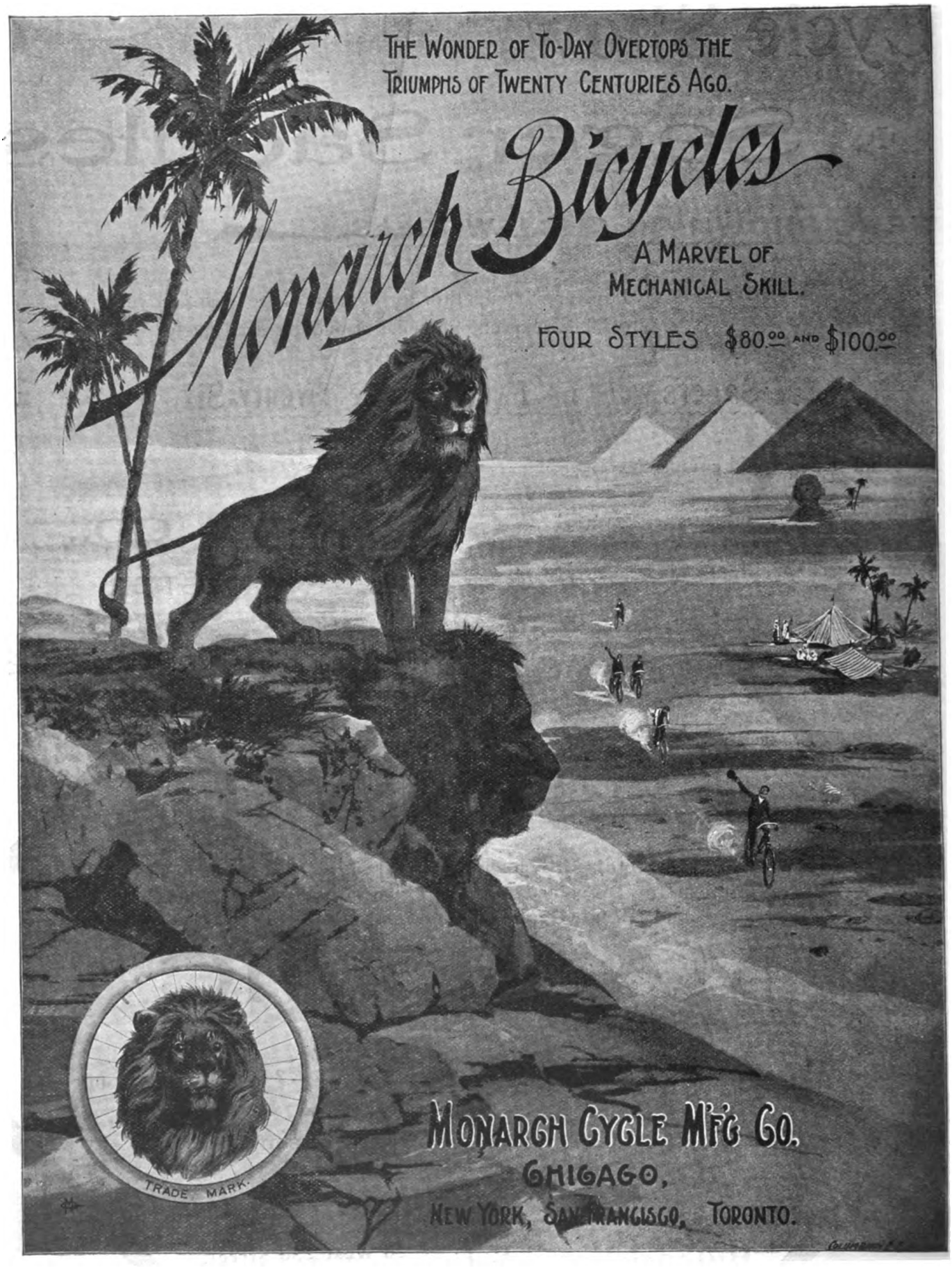
Send for Catalogue explaining the other points.

We refer to the following, as to whether we buy their best: Rims, Dann Bros.; Tubing, Birmingham Weldless Steel Tube Co.; Balls, Simmons; Steel, Spalding & Jennings; Saddle, Mesinger; Spokes and Nipples, Excelsior Wire Needle Co.; Tires, M. & W. and Hartford; Chains, Indianapolis Chain & Stamping Co.

Hulbert Bros. & Co. 26 West 23d Street, NEW YORK.

Mfrs. Fire Arms, Majestic Bicycle, Mesinger Saddles, Sundries and Sporting Goods.

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Hardware Merchants

can sell our machines with pleasure and profit. We have had years of experience in the business, and expect to continue in it for years to come. To do so we must give full value in every sale, and this we do when we sell

WYNNEWOOD BICYCLES

Model R	$100.
" M	$75.
" L	$75.
" Z	$65.
" B	$60.
" C	$60.
" X	$60.
" Y	$55.
" D	$50.
" F	$40.

Good Agents Wanted.
Catalogue now ready.

A. M. SCHEFFEY & CO.,
92 Reade St., New York.

MEDIUM GRADE AND HIGHEST GRADE.



1896

Rochester Bicycles

Are a revelation to lovers of the Silent Steed.

Rochester Cycle Mfg. Co.,
ROCHESTER, N. Y.

PRICES

$75 AND $100



FENTON WHEELS FOR 1896



Are Models of . . . .

Perfect Proportion
Beauty and Strength
1¼ Main and 1½ Head Tubes
Tubular Hubs
Ball Retaining Cases
Mahogany Rims

Send for Catalogue

P. S.—Fenton Wheels have Blue Crowns.

FENTON METALLIC MFG. CO., Jamestown, N. Y.

A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

Our Tires Are All Right.

WE MAKE

Single Tube, Double Tube and Detachable Tires.

SPAULDING & PEPPER CO.,
Chicopee Falls, Mass.

A GOOD WHEEL

Is what people want, and we make it.



STRICTLY HIGH GRADE.

Our theory is not how cheap, but HOW GOOD. Every wheel guaranteed. Prompt deliveries insured during entire season.

Write for Catalogue,

Schlueter Cycle Mfg. Co.
Cincinnati, Ohio.

CYCLE CHAINS

If you Want the **BEST** Place Your Order With the

Indianapolis Chain & Stamping Co.,
INDIANAPOLIS, IND.

Roger B. McMullen & Co., General U. S. Sales Agents. 130 Lake St., Chicago, and 309 Broadway, New York City. John S. Leng's Sons' Co., 4 Fletcher St., New York City, N. Y. Depot. Elastic Tip Co., 370 Atlantic Ave., Boston, New England Depot. Western Rubber Co., 14 Fremont St., San Francisco, Pacific Coast Depot.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.

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The Bicycle

Makes a Good Line, and

The Liberty

Makes a Good **BICYCLE**

HARDWARE DEALERS cannot afford to handle a wheel without a reputation; . . . . . *The Liberty* is

America's Representative Bicycle,

and its reputation extends from zone to zone.

Agencies placed in Unoccupied Territory.

The LIBERTY CYCLE CO.,
4 WARREN ST., NEW YORK.

WE INVITE CORRESPONDENCE

with the Hardware Trade, regarding agencies for the

SHERMAN

A strictly **HIGH CLASS,** perfectly finished Wheel,

. . . . Listed at $75.00.

The Sherman Cycle Co.,

133-139 So. Clinton St., Chicago.



Mention "Hardware."

The "ZENITH"

has the following points of excellence: tool-steel bearings, absolutely dust proof. barrel hubs, easily detached cranks, large tubing, reversible handlebar, narrow tread. . . . . .

Write for Catalogue.
Agents wanted.

Zenith Cycle Co. Manufacturers,
Binghamton, N. Y.

Once Tried Always Ridden.

The Quincy

THE only wheel on the market that is guaranteed for **more** than one year. It has Tool Steel Bearings, Adjustable Bars, Swell Forks, Double Bridge Crown. Large Tubing, Horizontal Lines and Handsome Finish. . . . . .

The Quincy Perfection Tandem Breaks All Records.

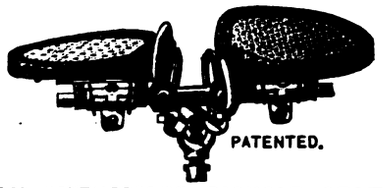
Send for Hardware discounts.

The Quincy Cycle Co.
QUINCY, MASS.

THE WHEEL THAT DON'T BREAK.

Price, $75.00.





PATENTED.

AN AUTOMATIC BICYCLE SEAT

that tilts in perfect harmony with the motion of the leg. It is in two sections, each independent of the other. It is the only seat that doctors say overcomes the defects and dangers of riding, such as chafing, numbness, and entirely relieves the sensitive parts.

Ask your Hardware dealer to show it, or send for particulars to the

Automatic Cycle Seat Co.,
Grand Rapids, Mich.

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Our

OF WHEELS

WERE selected with the idea of securing those most desirable for the **Hardware Trade** to handle. We seek our best agents among the Hardware Dealers, and that we have selected well is proven by the number of good and desirable agencies already placed. . . . . .

Style, Speed and Staunchness

Are a few of the good points embodied in our leader, the

SYRACUSE

A Bicycle that Leads the World for an Easy Seller.

KEEP YOUR EYE ON THE CRIMSON RIMS.

We Have Others Selling at

$100.00--$90.00--$85.00--$75.00--$65.00--$50.00--$40.00

Lots of Towns in the Country

SOME STILL OPEN.

Apply for Agency Now

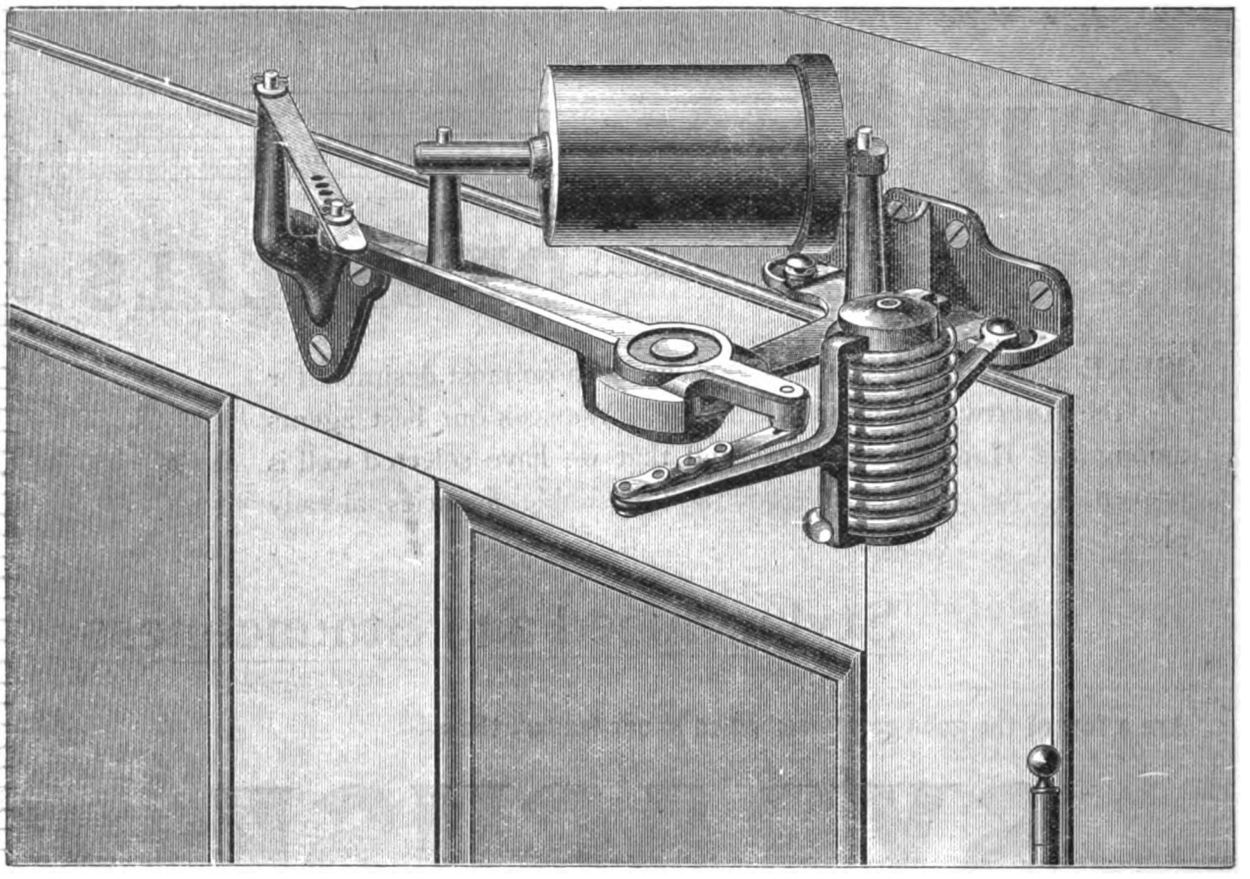
Supplee Hardware Co.,

PHILADELPHIA, PA.

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TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

"HOME" DOOR CHECK AND SPRING COMBINED.



Nos. 100 to 104 and 120 to 124. Patented.

RUSSELL & ERWIN MANUFACTURING CO.,

SOLE MAKERS.

NEW BRITAIN, CONN. - NEW YORK. - PHILADELPHIA. - BALTIMORE. - LONDON.

AN IDEA

That will increase your business. A thoroughly practical plan for making your store popular. Popularity brings prosperity.

WANT IT?

Arthur Boughton Chivers,
Advertising Writer,
257 Broadway, New York

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and our list of Hay Racks, &c.

BROAD GAUGE IRON STALL WORKS,
53 Elm Street. Boston, Mass.

TWO PATENTS FOR SALE.

Two Valuable Patents. One the Gokey Grinding and Calk Sharpening Machine. Money in this. Also three States for the Woodward Combination Carriage and Cradle. This also is No. 1. This is a great chance for smart man. Write for description and then hustle. Not often such a chance as the above.

E. A. WORTHEN,
Burlington, Vt.



HERE IT IS.

The BOSS LANTERN LAMP.

Patented Nov. 27, 1894.



NO wind or hurricane, however strong, can blow it out. Any No. 2 crimped top chimney will fit it. Chimney does not get hot, because the cold air goes down into the chimney around the sides—the hot air comes up through the center of the chimney drawing the flame up several inches, making the light 5 candle power, producing a cold draught under the flame. The candle melts very slowly, making half candle last many hours.

There is a standing offer of **One Hundred Dollars** to any one who can take his Hat, Fan or any thing else and Fan the light out. It is impossible to fan the light out or for the wind to blow it out.

Sample free, prepaid. Write for special prices delivered.

Patent owned and manufactured by

R. GIVENS, - Corpus Christi, Texas.

SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES { 277 Broadway, cor. Chambers St. / 621 Broadway, cor. Houston St. / 753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York. U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

FOREHAND ARMS CO.'S

LATEST MODEL

Ejector and Non-Ejector

Hammerless Double Gun.



WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

For Catalogue address

FOREHAND ARMS CO.,
WORCESTER, MASS.

TWO FAVORITES.

The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20 .32-.40, .38-.40, .38-.50 and .40-65 Remington, and .38-.55 Marlin and Ballard. Made to order only.





THE REMINGTON HAMMERLESS.
Ten Styles.

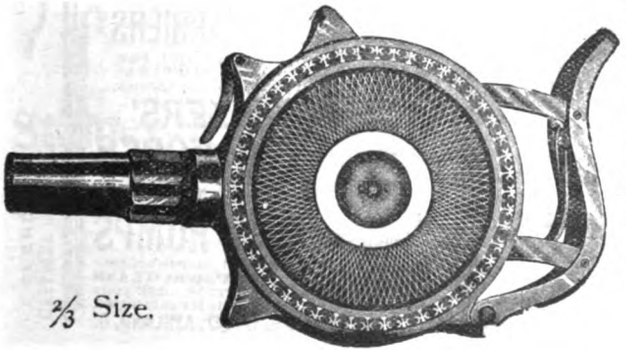
Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

REMINGTON ARMS CO.,

Works ILION, N. Y. New York Office Bicycle Dept., 313 and 315 Broadway.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

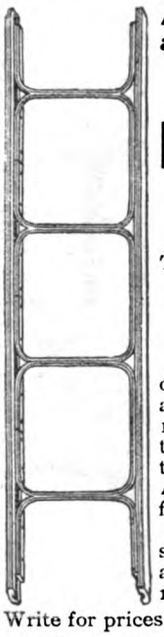
Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

Ames Sword Co.,
Chicopee, Mass.,
U. S. A.

If you want to live



A long life free from accidents . . . .

You will buy the

Patent Bent Rung Ladder

They are the

Strongest and Lightest Ladder on Earth.

A six-foot single step ladder will carry 700 pounds, and a double step ladder 1,000 pounds. A boy can take down and put up a sixteen-foot extension ladder. A man can hold an eighteen-foot ladder out at arm's length in one hand. Our step ladders will not come apart or break. They are made to last forever.

Write for prices and discounts.

Indiana Ladder Company,
INDIANA, PA.

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McKINNEY MFG. CO., Allegheny, Pa.

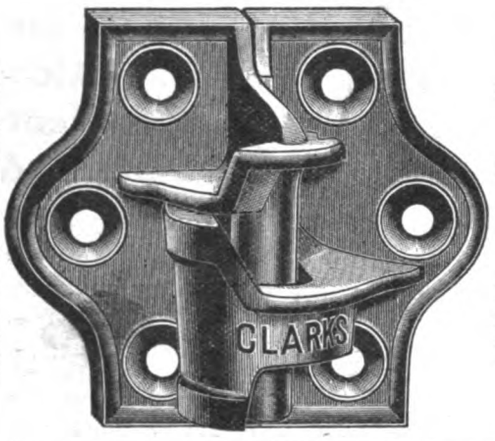
Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.



Full Size in Cut. No. 1 "Regular."

THE CLARK M'F'G CO.,

ORIGINAL AND ONLY

Manufacturers of the Genuine

"Clark's" Blind Hinges

All Imitations are Counterfeits.

Also Manufacturers of

Lull and Porter, O. S.; "Dixie" L. & P., and "Buffalo Reversible" Shutter Hinges; Gate Hinges and Latches, Sash Pulleys, Cast Loose Pin Door Butts, &c.

BUFFALO, N. Y.

HOLMES & EDWARDS Invite you to visit their

New York Salesroom, 2 Maiden Lane



A convenience to Merchants in the vicinity of New York.

Anything in Silver or Solid Metal Spoon line may be had.

Mexican Silver. Aztec Coin Metal. Gold Aluminum. . . . .

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO

Write your jobber for quotations on these goods. They are a ready seller. If he has not the goods send me his name and we will send him quotations and sample box.



...ALSO.....

COPPER, IRON AND TINNERS'

Rivets

AND

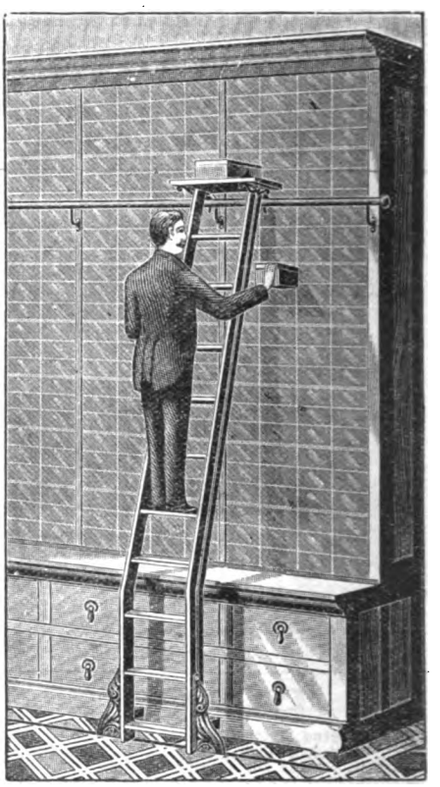
Light Metal Work

TO ORDER

WILLIAM N. MERRIAM 103 BEDFORD STREET BOSTON, MASS.

The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

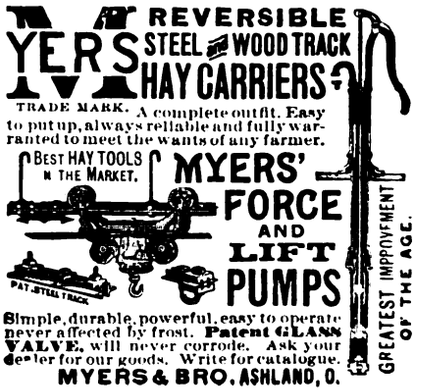
The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & CO., 80 John St.

MYERS REVERSIBLE STEEL AND WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.

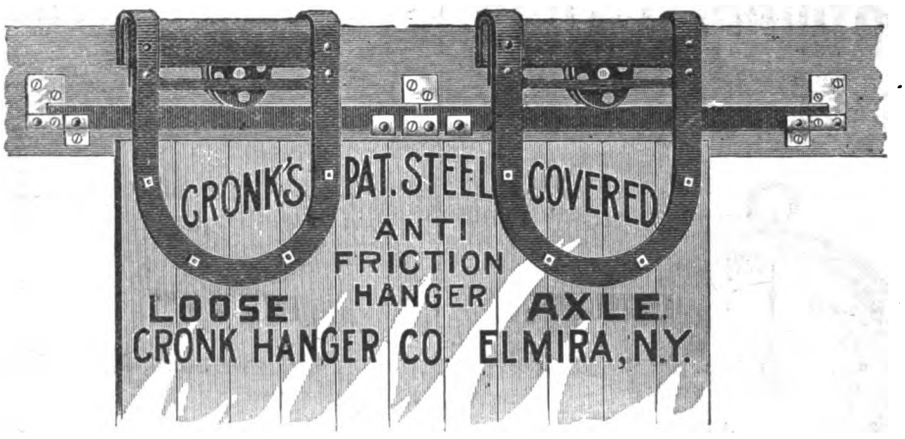


Simple, durable, powerful, easy to operate never affected by frost. Patent GLASS VALVE, will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

GREATEST IMPROVEMENT OF THE AGE.

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House . . .
. . . Goods
Supplies.

ESTABLISHED 1867

Partrick & Carter Co.
Electrical Supplies.
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."

THIS TIME
IT IS
WIRE

No. 18. Office - - -	22c. per lb.
No. 16. Office - - - -	22c. per lb.
No. 18. Annunciator -	21c. per lb.
No. 16. Annunciator -	21c. per lb.

WATCH THIS SPACE.

J. JONES & SON,
Wholesalers and Manufacturers of
Electric Supplies,
67 Cortlandt St. NEW YORK.



Electrical House Goods

For the Hardware trade.

BELL OUTFITS,
PUSH BUTTONS,
BATTERIES.

THE Hardware trade is rapidly taking up the Electrical business. You should investigate.

WRITE FOR OUR GENERAL CATALOGUE.

WESTERN ELECTRIC CO.,
CHICAGO. NEW YORK.

Our
1896
Catalogue

Will be Interesting. Full of Good Things . . . . .

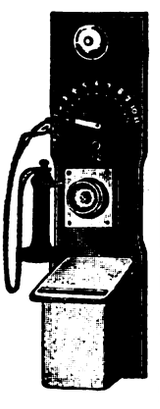
ELECTRICAL.

Send us your name.

Stanley & Patterson,
General Electrical Equipment Supplies,
32 and 34 Frankfort St.,
NEW YORK.

TELEPHONES

For Your . . .
Factories,
Stores,
Offices
and
Exchanges.



We make the
BEST

Send for Our
Catalogue.

The Union Electric Co.,
15 High St., Cleveland, O.

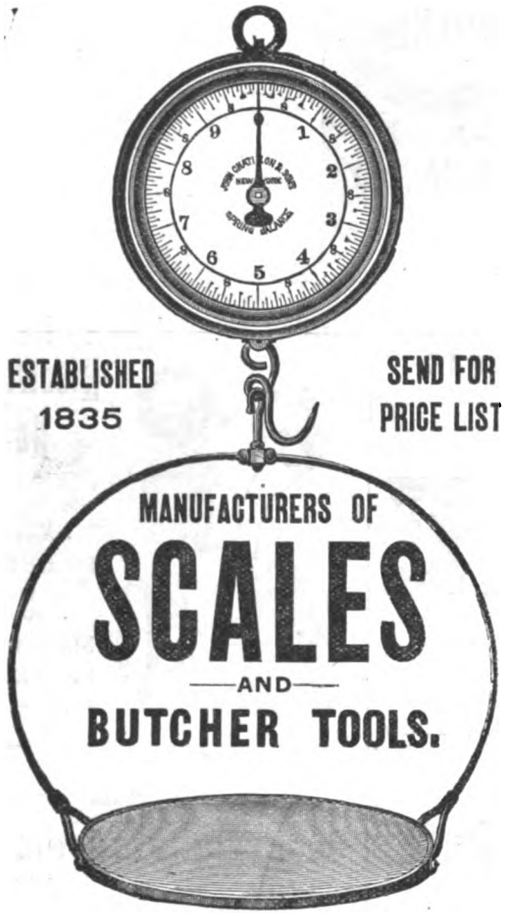
The Time
Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

SEND FOR PRICE LIST

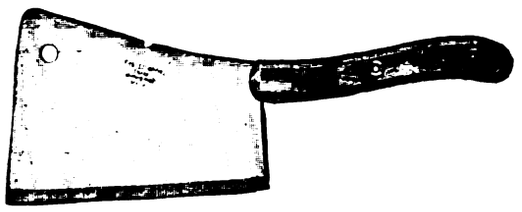
MANUFACTURERS OF

SCALES

—AND—

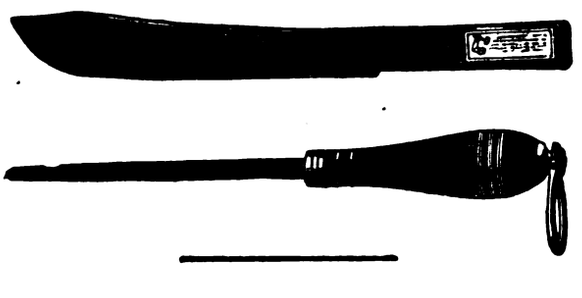
BUTCHER TOOLS.

SOLE AGENTS FOR



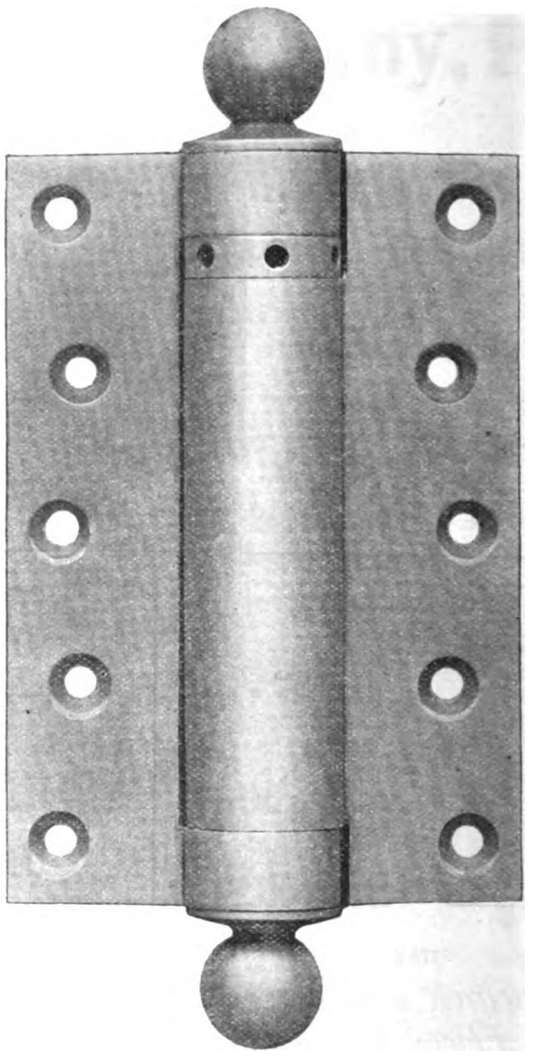
Foster Bros.'

BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.



NORWALK LOCK CO.,

Manufacturers of

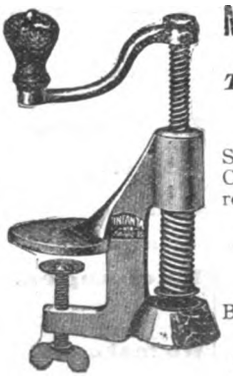
Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

Underhill, Cinch & Co., New York, 94 Chambers St
New York, 82 Chambers St. Boston, 200 Franklin St.
Chicago, 544 Unity Building
Baltimore, 25 Hanover St., (Henry Keidel & Co.)



MERIDEN MALLEABLE IRON CO.,

SOLE MANUFACTURERS OF

THE INFANTA CORK PULLER

Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

THE RAPID CORK PULLER

—AND—

RAPID LEMON SQUEEZER.

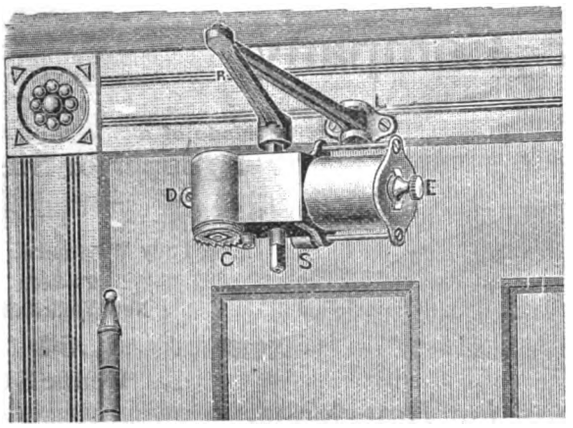
Best in the market. Send for circulars and prices.

MERIDEN, CONN., U. S. A.



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HERE IT IS ON THE DOOR.



PATENTED SEPT. 11, 1894.

The New Royal Door Check & Spring

Excels All Others.

PRICE LIST:

	Each.
No. 1. Light Screen Doors.	$2.40.
No. 2. Small Inside Doors,	3.30.
No. 3. Large Inside Doors,	4.30.
No. 4. Ordinary Store Doors,	5.60.
No. 5. Large Store Doors,	7.00.

For Discount see prices current this paper

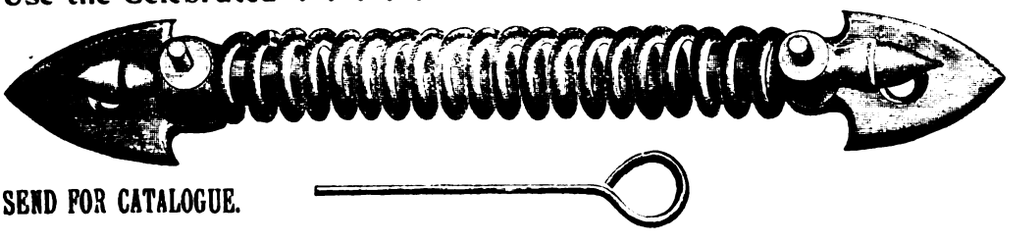
The ROYAL has a Compressed Air Check.

For Sale by All Leading Jobbers.

W. H. QUINN & CO.,
103 Chambers St., New York

Keep the Frosty Winds Out! Use the Celebrated . . . . .

FOSTER PATENT DOOR SPRINGS.



Strongest and Most Durable on the Market.

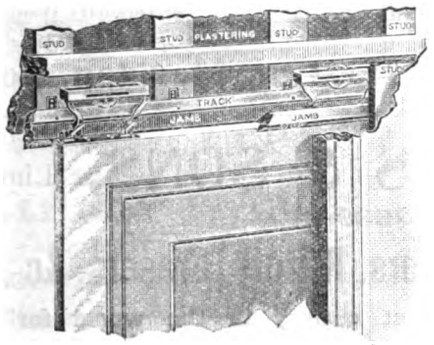
SEND FOR CATALOGUE.

Made in 4 Sizes.

Manufactured by **W. W. PRYOR HARDWARE MFG. CO., Newark, N. J.**

N. Y. Office and Salesroom, 81 CHAMBERS STREET.

Stearn's Steel Parlor Door Hanger



IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

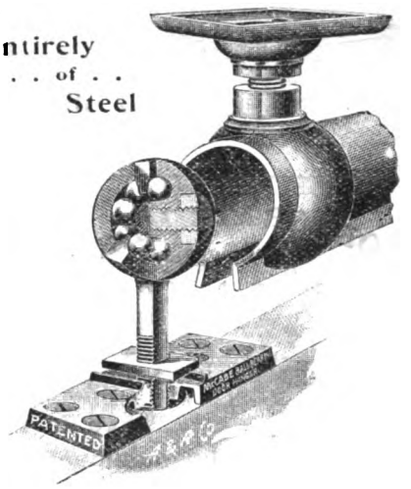
"The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw."

E. C. Stearns & Co.,

Send for Circular and Price-List. Syracuse, N. Y.

McCabe Ball Bearing DOOR HANGER

Entirely . . of . . Steel



SIMPLEST, CHEAPEST, BEST.

Adjustments above and below the track without removing the door.

After trying this you will use no other.

Send for catalogue or order a set at once and see why it is without an equal.

McCABE MANUFACTURING CO.,
No. 535 West 23d St., - - - - NEW YORK



"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

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DAVID EASTMAN, President. WALTER RANDALL, Secretary. J. R BRINSMADE, Treasurer.

The Derby Razor Company,

Manufacturers of
Razors,
Razor Strops,
Safety Razors.

Factories:
DERBY,
Conn.

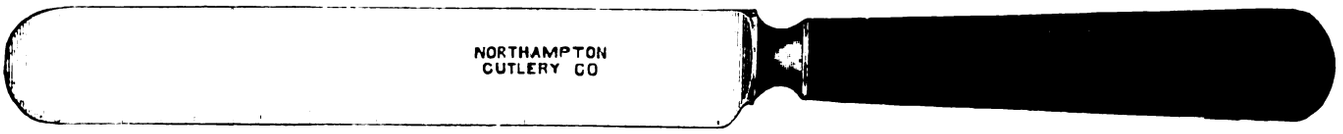


Made of a
...Superior Steel
and
Temper
Fully Warranted.

New York Office,
..64
Reade St.

Made in America by Americans for Americans.

NORTHAMPTON CUTLERY COMPANY,

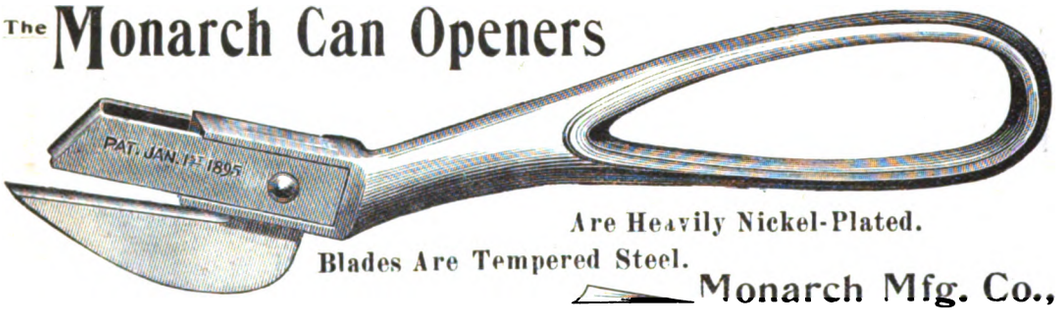


Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom.
96-98 Reade Street.

The Monarch Can Openers



Are Heavily Nickel-Plated.
Blades Are Tempered Steel.

Works Right or
Left Handed

Cuts top off or out of any Size or Shaped Can.

Send for Sample and Prices or Quantity Wanted.

Monarch Mfg. Co., Meriden, Conn.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD
PEUGEOT FRERES,	HORSE AND TOILET CLIPPERS.
COATES CLIPPER MFG. CO.,	
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., ORIENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

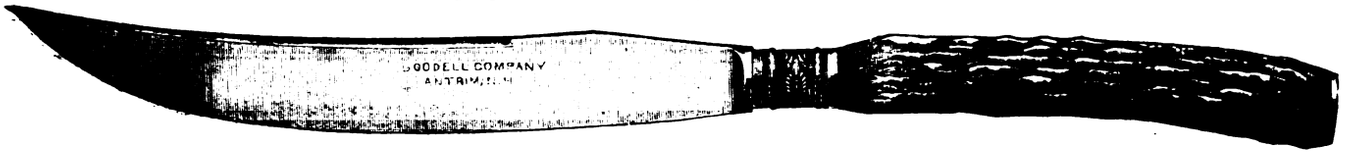
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ONE REASON WHY

Our business has grown out of all proportion to any other manufacturer of

CUTLERY IN THE U. S.

Is that while our goods are unsurpassed in finish and general appearance our special aim has been to adapt them to the purpose for which they are to be used.



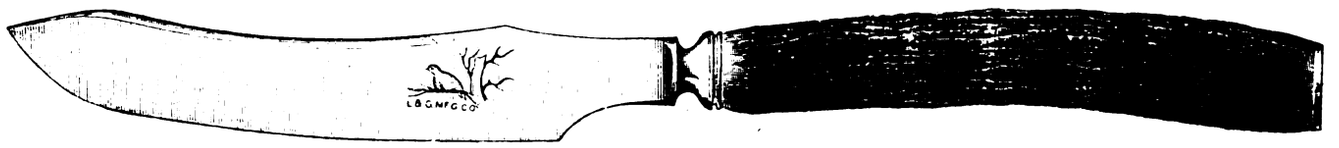
In the matter of Carvers, your customer wants a Knife to cut with as well as to look at. All our Carver blades are made from carefully tested Butcher Knife Steel. They take and hold a fine cutting edge.

We also make Table Knives, Butcher Knives, Shoe Knives in great variety. All fully Warranted.

AGENTS: { ALFORD & BERKELE CO., 77 Chambers Street, New York.
HENRY KEIDEL & CO., 25 Hanover Street, Baltimore, Md.

GOODELL COMPANY, - - Antrim, N. H.

LAMSON & GOODNOW MFG. CO.,



Manufacturers of Fine Cutlery, Butcher, Druggists' and Painters' Knives, Celebrated Anchor Brand Carvers, etc.

FACTORY AND OFFICE, Shelburne Falls, Mass. NEW YORK, 310 Broadway. SAN FRANCISCO, 132 Market Street.



COATES CLIPPER MFG. CO.,

Worcester, Mass, U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

SEND FOR CATALOGUE.

"DUPLEX" WROUGHT BUTTS.

Double Thicknesses of Cold Rolled Steel and Wrought Bronze
STEEL PINS, BALL TIPS, STEEL BUSHED.

They are better than the ordinary kinds.

Manufactured only by

READING HARDWARE CO., READING, PA.

NEW YORK, 96 & 98 Reade St. PHILADELPHIA, 617 Market St. CHICAGO, 73 Wabash Ave.

GENUINE



CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD."
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS



BUCK'S HEAD.

TO GAIN SUCCESS IN BUSINESS,

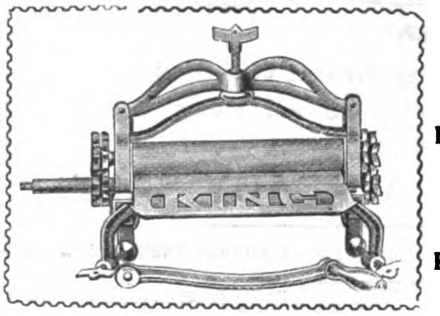
It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

WOOD AND IRON FRAME WRINGERS.

HIGH GRADE, WARRANTED.



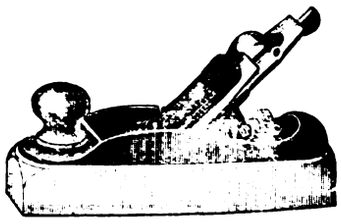




Before placing FALL ORDERS write us for our PRICES and TERMS.

NATIONAL WRINGER & MFG. CO., Canton, Ohio.

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THE
BEST BAILEY PLANES
ARE MANUFACTURED BY
The Samuel I. Goodall Company,
PHILADELPHIA, PA., U. S. A.

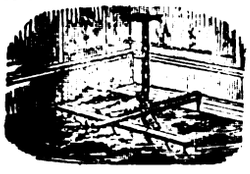


Camp's SUCCESS ANIMAL POKE



The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER and TACK HAMMER.



Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

A Mistaken Notion.

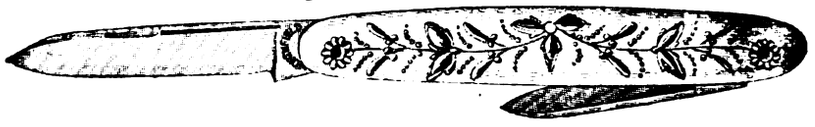
It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

NOW is a good time to carry out that New Year's Resolution

To avoid buying "cheap" Cutlery, and order a line of

TRADE
NORTHFIELD UN-X-LD POCKET KNIVES.
MARK.

Always reliable, pleasing the customer, and therefore most profitable to the dealer. . . . .



N. B.—Write us and we will help you. . . . . .

Northfield Knife Co.
NORTHFIELD, CONN.

ESTABLISHED, 18[illegible] INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



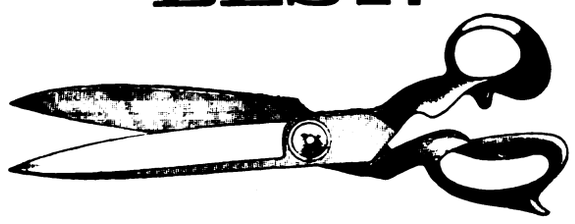
Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the
BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

NOW IS THE TIME

To place orders for

G. W. BRADLEY'S

Turpentine Tools, Bush Hooks,

Drawing Knives, &c., &c., &c.

Orders received will be shipped at times specified.

Underhill, Clinch & Co.,

SOLE AGENTS

94 Chambers St. - - - NEW YORK.

The Staff of Business.

BREAD IS THE STAFF OF HUMAN LIFE AND ADVERTISING IS THE STAFF OF BUSINESS

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Our Latest is the Ormonde



And bears the TRADE MARK Rogers TRADE MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

THE GEO. W. STANLEY CO.,

BELLEVILLE, ILL.

Manufacturers of

Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

Highest Grade of

Silver Plated Ware

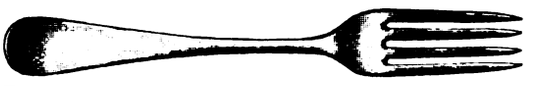
In Spoons, Forks, Etc.

Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.



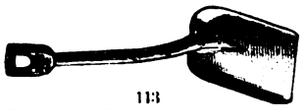
Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Catalogue and Prices.

Established 1878.



No. 70



113

THE WYOMING SHOVEL WORKS,

MANUFACTURERS OF

Shovels, Spades and Scoops,

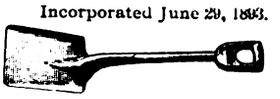
In all styles, Smooth Back, Hollow Back and Strap.

Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.

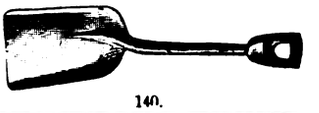
Office, WYOMING, PA. Works.

Catalogues furnished on application

Incorporated June 29, 1893.



94.



140.

DO YOU USE

RAZOR STROPS?

IF SO

WHY NOT CONSULT US?

We are the largest manufacturers in this country. . . . . .

SEND on for samples or send on your own to be figured on and we will quote you prices that will "take your breath away. . . . . .

PROMPTNESS of delivery, premier workmanship, terms and every other detail conducive to good business methods, are guaranteed by us. . . . . .

GET in line and don't be satisfied with old 100 per cent. profit prices when you can deal direct with the "ACME" of the line.

Acme Mfg. Co.,

Manufacturers of all kinds of

Razor Strops and Hones,

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Bissell Carpet Sweepers

FOR **1896**

1895 closed the largest year in the history of the BISSELL Co. 1896 promises still larger results, and if meritorious goods and faithful service count for anything such can be assured.

Bissell Carpet Sweeper Co.

Largest Sweeper Makers in the World,

Factories and General Office } Grand Rapids, Mich.

EASTERN and EXPORT BRANCH,

103 Chambers Street,

NEW YORK.

Write for Catalogue and Prices.



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Would IT INTEREST You?

Well, we think so, for our 1896 Catalogue describes our full line of . . . . . **Planet Jr.**

Seed Drills, Wheel Hoes, Harrows and Cultivators,

——————including several entirely **NEW** machines.



DEALERS will sell

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goods in 1896 because it . . . . . **PAYS.**

Will You be One of Them?

S. L. Allen & Co.

MANUFACTURERS,

Philadelphia, - - - Pa.

EVERY FAMILY WANTS ONE!

THE "FAMILY COBBLER"



Sample Outfit sent on receipt of $2.00.

A Household Necessity.

Contains the following articles: Iron Clinching Stand, with three reversible feet, Shoe Hammer, Shoe Knife, Pegging Awl and Handle, Large Bottle of Leather Cement, Large Bottle of Rubber Cement, Four Pairs of Heel Plates, Package of Pegs, Package of Heel Nails, Package of Clinching Nails for Men's and Boy's Work, Package of Clinching Nails for Women's and Children's work, and

THREE PAIRS OF HALF SOLES.

Securely Packed in wooden box with hinged lid. Weight 17 lbs.

No family can afford to be without one of these Outfits. Will pay for itself many times over each year.

For Sale By All Hardware and General Stores.

The Trade Supplied By Hardware Jobbers Generally,

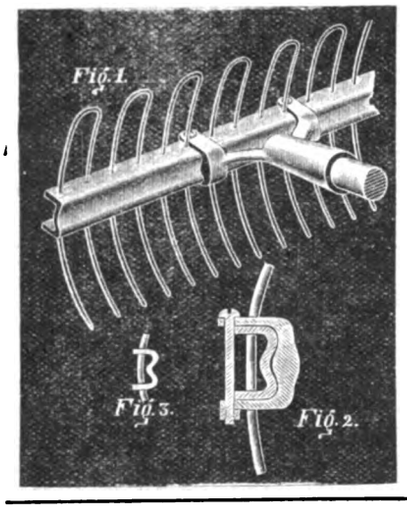
or by **BRANDENBURG & CO.,**

Sole Proprietors of the "Family Cobbler," the "Family Harness mender," the "Bonanza" Half Soles, etc.

CHICAGO, ST. LOUIS,
KANSAS CITY, OMAHA, SIOUX CITY.

Agents Wanted. Send For Catalogue.

Sample Each, Cobbler and Harness Mender for $3.50.



SEE THAT KINK?

This Patent on **Corrugated Head** has just been allowed us. It makes the Nicest and Strongest Rake yet produced. . . . . .

WRITE TO US FOR——

Lawn Rakes,
Post Hole Diggers,
Curry Combs,
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Lawn Sprinklers, Etc.

RYAN & NEEFUS, EASTERN AGENTS, 75 Chambers St., NEW YORK.

F. E. Kohler & Co., The Hdw. Specialty Mfrs. Canton, Ohio.

The Neatest, Cheapest and Most Practical

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Home Repairing is the



Home Repairing Outfit No. 1.

IT IS THE ONLY COMPLETE OUTFIT ON THE MARKET.

Our Circular tells you why. Write for it and prices.

THE ROOT BROS. CO.,

ORIGINATORS AND MANUFACTURERS,

PLYMOUTH, OHIO.

Rhode Island Perkins Horse Shoe Co., Manufacturers of

HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

P. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.

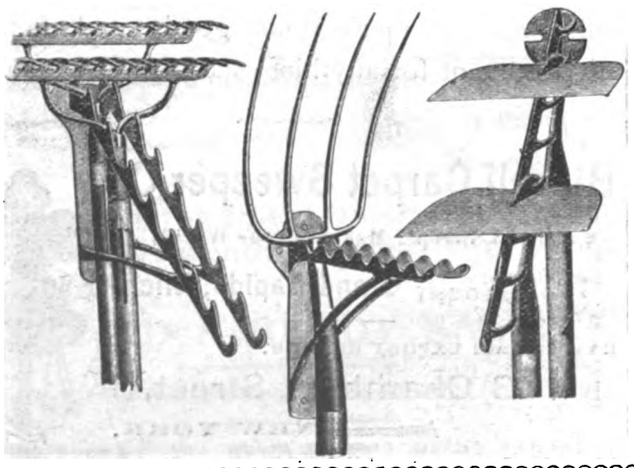
Howard Iron Works,

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Manufacturers of

Bench Vises.

Price Lists sent on application.



Hager's Brackets

For Displaying Steel Goods are the BEST.

SOLD BY YOUR JOBBER

OR

John N. Hager,

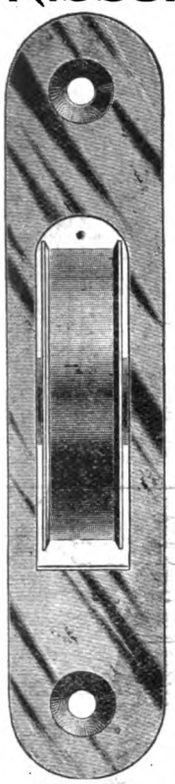
Manufacturer,

Fort Atkinson, Wis.

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Ribbon Pulleys,
Chain Pulleys,
Cord Pulleys.

ALL Pulleys made with Round or Square Ends.



ROUND END.

Show Case PULLEYS.

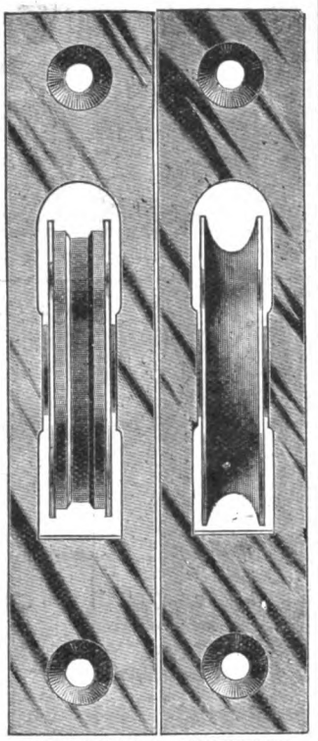
Steel Sash Ribbon

Steel Sash Locks

For Descriptive Catalogue, Address

Gardner Sash-Balance Co.

312 First National Bank Building,
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SQUARE END. SQUARE END.

THE GENUINE

PHILADELPHIA

LAWN MOWERS

ARE

GOOD machines.
BETTER than others.
BEST known.

WHY?

BECAUSE WE MAKE THEM

SO.

SEND FOR CATALOGUE.

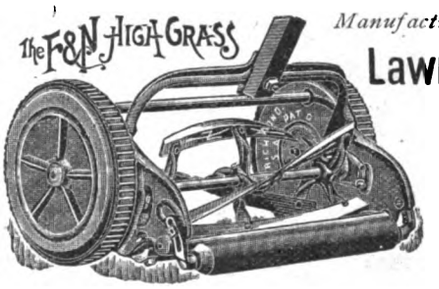
The PHILADELPHIA LAWN MOWER CO.

3107 & 3109 Chestnut St.,
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PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

THE F. & N. LAWN MOWER CO.,



Manufacturers of

Lawn Mowers AND Grass Catchers

RICHMOND, IND., U. S. A.

"The F. & N. High Grass."
"The F. & N. Standard."
"The New Delight." Popular Favorite.
"The Razor Blade." Ideal Light Mower.

Best Material, Latest Improvements, Highest Class Workmanship.

Sales Manager, George B. Main,
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COLDWELL'S IMPERIAL

HAND AND HORSE LAWN MOWERS.

LAWN REQUISITES OF ALL KINDS.

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COLDWELL LAWN MOWER CO.
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ZUCKER & LEVETT & LOEB CO.
OFFICES, 526, 528, & 530 W. 25TH ST.
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SEND FOR CATALOGUE OF
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SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St.,
248 and 250 Pearl St.

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
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Bucket Covers
Burritt's Double Seamers
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Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears

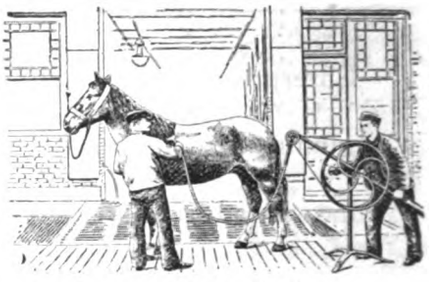


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Nails Roofing, ¾ and 1 inch.
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Spelter Solder
Squaring Shears
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Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
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Live Hardwaremen use
Perfect Shelf Boxes
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We Manufacture
Perfect Shelf Boxes
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C. P. MOORE,
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HEADQUARTERS FOR
"PRIZE WINNER" HORSE CLIPPERS.
Hand, Bicycle, Electric and Steam Power.
MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.
The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST

and most DURABLE MACHINE made.
The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE
FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

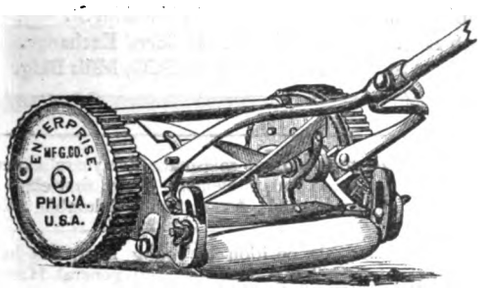
Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade. Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

Gillette Clipping Machine Co.,
201 East 23d St., New York.
WESTERN AGENTS:
J. H. FENTON & CO.,
153 Michigan Ave., Chicago, Ill.

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"ENTERPRISE"
. . . LAWN . . .
Mowers ✣ Sprinklers



THEY ARE EQUAL, IF NOT SUPERIOR, TO ANY IN THE MARKET.



Painted or Tinned.
7; 9, 11, 13 or 15 Inches.

No. 1, - - - Price, $3.50.
No. 2, - - - " 2.75.

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The Trade Sells Them.

The Enterprise M'f'g CO. of Pa., Third & Dauphin Sts. Philadelphia, Pa.

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The Sterling Emery Wheel Mfg. Co.,
Tiffin, O.

EASTERN AGENT:

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45 Vesey Street,

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CUTTER, WOOD & STEVENS,

131 Pearl Street,

Boston



MANUFACTURERS OF

Emery

AND

Corundum Wheels.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
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CONSOLIDATED 1891.

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MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails. Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

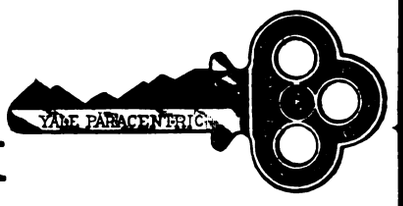
MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

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The Yale & Towne Manufacturing Company



The Yale Locks
Art Metal Work
Builders' Hardware



GENERAL OFFICES:
280 Broadway, New York.
WORKS:
Stamford, Conn., Branford, Conn.

SALESROOMS:
NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.
BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Bldg.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

BUSINESS MAN (Hardwareman preferred), with $5000, to keep books, and take charge of the finances in a well established Hardware Commission House. A great opportunity for a young man who is desirous of getting into business, and is willing to work. References furnished and required. Address "J. H.," care BURDITT & WILLIAMS, Boston, Mass.

WANTED—A thoroughly competent Hardware salesman to sell our patent line of table cutlery to the jobbing trade throughout the United States. Apply in person or by letter with references to the RUSH CUTLERY CO., Springfield, Mass.

HARDWARE SALESMAN.—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address BALTIMORE JOBBER, care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

A YOUNG man 30 years old, with nine years' experience in a retail Hardware store, now owning half interest in a Hardware business, wants a traveling position for some good house, Hardware or similar line. A No. 1 reference. Address "HARDWARE," No. 66 River Avenue, Allegheny, Pa.

BY a young married man, 28 years old, sober, with twelve years' experience in a Hardware store. Can furnish personal references. Address L. F. S., No. 162 Massachusetts Street, Buffalo, N. Y.

BY a young married man, 23 years of age, to do any office work, keep books or help in stock. A1 reference. Salary, $12. Address S. A. E., care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as clerk in Hardware store; have had experience, and can give reference. Address F., No. 510 South State Street, Champaign, Ill.

WANTED—A position as salesman in a retail Hardware and farm implement store or all-around man, or a position as traveling salesman with good wholesale house of same lines. Would accept position in any territory. Have had ten years' experience in the retail implement business and two years in the Hardware. Speak English and German Age 34; single. Can furnish best of reference. Address J. N. W. care HARDWARE, No. 143Chambers Street, New York.

POSITION wanted as salesman for manufacturer or jobbers of cutlery or Hardware specialties; fifteen years' experience Well acquainted in Ohio and Indiana. A1 reference. Address W. B. R., No. 99 Euclid Avenue, Cleveland, Ohio.

WANTED—Position as store or road salesman; five years' experience in general store, Hardware and implement trade; first-class salesman; can give good refefences. A. P. AYER, South Columbia, N. Y.

WANTED—Inside or outside position by young man; has had ten years' experience in wholesale builders' and general Hardware. Address CORBIN, care HARDWARE, No. 143 Chambers Street, New York City.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

WANTED by a practical metal pattern maker in all its branches, wishes to make a change on or after the first of the year, a competent designer and chaser on ornamental work, with executive ability to take charge of shop. Address MECHANIC, care T. J. Murphy, No. 1168 Indiana Avenue, Chicago, Ill.

A YOUNG man with seven years' experience on the road in the Hardware line will be open for engagement January 1, 1896. Can furnish first-class reference. Would prefer to represent some manufacturing agent or jobbing house in New York State. Address SALESMAN, care HARDWARE, No. 143 Chambers Street, New York.

POSITION with a wholesale Hardware house wanted, by a thoroughly competent and experienced traveling salesman. Best reference from present employers. Address R. V., care HARDWARE, No. 143 Chambers Street, New York.

A SITUATION in a Hardware house wanted by a youth of 18; five years' experience. Good reference. Address J. R. B., care HARDWARE, No. 143 Chambers Street, New York.

MIDDLE-AGED man, intelligent, sober and honest, desires situation at Hardware business; willing to be generally useful; thorough knowledge of New York City. Address M. L. BROPHY, No. 42 Perry Street, New York.

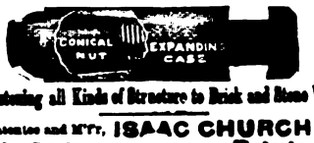
YOUNG man (33), thorough knowledge in builders' and general Hardware, cutlery and kindred lines, desires position with jobbing, wholesale or export house; well posted in prices and goods; first-class accountant; A1 references. C. L., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position in wholesale or extensive retail house, by young married man, with about ten years' experience in retail store. Will be ready March 1st. Iowa preferred. Am good mechanic, and expect to work. Address W. L. J., care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted with large house by practical builders' Hardwareman (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa., Harriett & Kelly, East End.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and M'f'r, ISAAC CHURCH,
Send for Catalogue Toledo, O

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Situations Wanted.

BY young man, 23 years of age, sixteen years' experience in Hardware, butchers' and grocers' supplies. Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

TRAVELER, sixteen years with one house and well acquainted with trade in New York, Pennsylvania, Ohio, Michigan and Canada, desires to hear of opening. T. M. W, care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with nine years' experience in cutlery business a position of salesman on the road. Address A. A. S., care HARDWARE. No. 143 Chambers Street, New York.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

HARDWARE salesman, sixteen years' experience, wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

AN experienced salesman would like agency for any line of goods not represented in all, or any part, of New England. Satisfactory references as to ability, and reasons for seeking new position. Address "AGENT," P.O. Box 1077, Springfield, Mass.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman, twelve years with present house, wants line table cutlery, house-furnishing goods, tinware, or A1 specialties, in connection with old line, for Michigan, Indiana and Ohio. Address M. I. & O., care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter house. Best of reference if required. Address W. S. BUCHANAN. Oakland P. O., Louisa County, Va.

Side Line Offered.

SALESMEN for good line imported pocket knives and scissors as a side line on commission to retail trade in Ohio and Pennsylvania. "IMPORTER," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted to sell a side line on commission; Eureka safety wall pipe round, oval, square heater pipe and elbows. Write or call. THE PATERSON HEATER PIPE CO., care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE salesmen wanted in West Virginia, Maryland, New York and Virginia, to sell lubricating oils as a side line. BUCKEYE REFG. CO., Pittsburg, Pa.

WANTED—A bicycle or Hardware traveling salesman to handle A1 side line cycle sundries on commission, State references and territory. Box 235, Rochester, N. Y.

FIFTY salesmen wanted quick, to handle whips as a side line to best Hardware trade. Address U. S. WHIP CO., Westfield, Mass.

WANTED—Salesmen to sell on commission for the manufacturer, as a side line or otherwise, first-class lines of pocket cutlery, etc., in New York State and Pennsylvania. Also in Iowa and adjacent States. Address P. C., care HARDWARE, No. 143 Chambers Street, New York.

SIDE LINE—Hardware, stoves and tin. Good commission. Do you want it? "4769," Mercer, Pa.

SALESMEN wanted on commission to handle as side line or otherwise a line of leather cup valves, cylinder and plunger valves for pumps, etc. Address GEORGE OBERNE & CO., No. 383-401 North Halsted Street, Chicago, Ill.

SALESMEN wanted to sell an article weighing two ounces to the Hardware, grocery, coal and other trades. Used in every house. Commission on each sale $2.50 and up. R. K. TELLER, Unadilla, N. Y.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

For Sale.

SCARCITY of game and stringent game laws leaves me about twenty-five single and double-barrel guns and a line of gun implements, flasks, etc., to sell at a bargain. Correspondence solicited. C. F. BALLARD, Washington C. H., Ohio.

RARE CHANCE—For sale, an old established general Hardware and house-furnishing store in New Jersey, a city of 18,000 population, within twenty-five miles of New York, doing a thriving business and located on the best business corner in the city. This business can be purchased for $17,000 cash. Address L., care HARDWARE, No. 143 Chambers Street, New York.

To Let.

A DESIRABLE office to rent with the Wilmot & Hobbs Mfg. Co., No. 2 Murray Street, New York. Steam, heat, electric light and telephone.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Rubber Agency Offered.

RUBBER HOSE, Belting, Packing, etc. Mineralized Rubber is better than Vulcanized at equal prices. Local and traveling agencies granted on uncovered ground. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

Chance for Manufacturers.

WANT competent party to take the manufacturing and marketing of the handiest, most efficient, and inexpensive to make, "Ice Scraper" ever offered; patents just allowed. Address ICE SHREDDER, care HARDWARE, No. 143 Chambers Street, New York.

Agency for England.

WANTED, agency for England by a gentleman residing in Birmingham. Thoroughly acquainted with the Hardware trade; energetic, hard-working and most trustworthy. First-class reference. Agency in the bicycle fitting line especially wanted. Address "BIRMINGHAM," care HARDWARE, No. 143 Chambers Street, New York.

Dissolution of Co-partnership.

THE co-partnership heretofore existing between the undersigned, under the firm name of Sickels, Sweet & Lyon, expires this date by limitation.

ROBERT SICKELS,
EDWIN S. SWEET,
HENRY M. LYON.

New York, February 1, 1896.

NOTICE OF CO-PARTNERSHIP.

The undersigned have this date formed a co-partnership to continue the business heretofore conducted by Sickels, Sweet & Lyon, under the same firm name.

ROBERT SICKELS,
HENRY M. LYON.

New York, February 1, 1896.

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THE
CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCKS ON EARTH.

UP TO DATE.

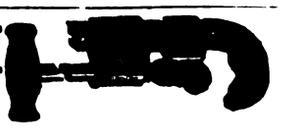
Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

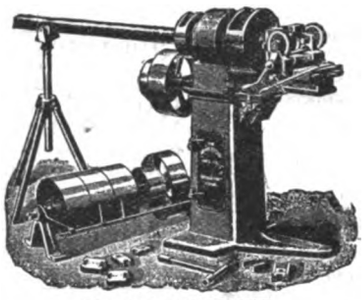
General Agents:
Topping Bros., New York.
Boston & Lockport Block Co., Boston.
Woodward, Wight & Co., Ltd., New Orleans.
Miller, Sloss & Scott, Inc., San Francisco.

PLACE
THE MATTER
CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

YOUR STOCK IS NOT COMPLETE
Without a Line of





No. 2½ MACHINE.

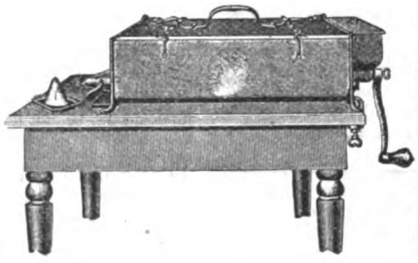
The "ARMSTRONG"

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.
—NEW YORK OFFICE: 139 CENTRE STREET—

Polar Star Instant Ice Cream Freezer.



A Marvel to all who behold it in operation.
Size, 21x7x7. Retail Price $3.75. Capacity unlimited

It makes perfectly smooth ice cream with all milk. Cream added makes it somewhat richer, but not smoother. It makes very superior, smooth water ices, frozen fruits, frozen custards, sherbets, etc., and is a very simple, convenient and economical freezer.

No Gearing, cogs or fixings to get out of order.

Noiseless in operation. A child can operate it. Makes a plate of ice cream in 30 seconds or a quart in 5 minutes. All other quick freezers merely SCRAPE it off a tin surface of some kind, but do not BEAT IT or WORK IT.

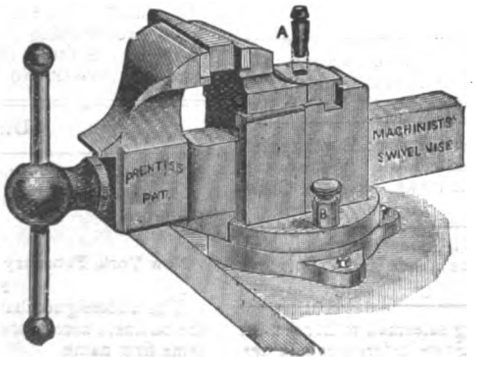
Our Freezer **Mixes, Mashes, Pulls, Grinds and Whips** the cream more in **30 seconds** than any paddle freezer does in **30 minutes.** Dealers will do well to investigate this promptly. Correspondence solicited.

Manufactured solely by Polar Star Freezer Co.,

Send for particulars and discount. 235 LEVANT ST., PHILADELPHIA, PA.



ATHOL MACHINE CO.,
Athol, Mass., U. S. A.
Manufacturers of
Vises, Meat Choppers,
Mechanics' Fine Tools, &c.
Send for 1896 Catalogue.



PRENTISS' PAT. VISES
The Leaders for 20 Years.
Send for Illustrated Catalogue of
ALL KINDS OF VISES.
Prentiss Vise Company,
MANUFACTURERS,
44 Barclay St., New York.

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PRICES CURRENT.

Our quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 52c
G. D.....37 @ 39c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.35@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890. 40&10& 10@40&10&10&10&5%

GUN WADS—₩ 1000—

B.E., 11 up.	.60c	B.E., 9&10	.70c
B.E., 8	.80c	B.E., 7	.80c
P.E., 11 up.	1.00	P.E., 9&10	$1.25
P.E., 8	1.50	P.E., 7	1.50

SHOT—
Drop Shot, sizes smaller than B, 25-₤ bags ₩ bag.....$1.30
Drop Shot, sizes smaller than B, 5-₤ bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-₤ bags, ₩ bag.....$1.55
Drop Shot, B and larger sizes, 5-₤ bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-₤ bags, ₩ bag.....$1.55
Buck and Chilled Shot, 5-₤ bags, ₩ bag.....$ .35
Dust Shot, 25-₤ bags, ₩ bag.....$2.00
Dust Shot, 5-₤ bags, ₩ bag.....$ .50

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25₤ $3.25
12½₤ 1.90
6¼₤ 1.10
Rifle special, kegs.....25₤ 4.25
12½₤ 2.40
6¼₤ 1.35
Creedmoor, kegs.....6¼₤ 1.10
Ducking, kegs.....6¼₤ 3.00
[For 1,000 ₤ lots 10% discount.]
Blasting and Mining, A..25₤ 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each..... .80
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each..... .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ₤.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ₤..... 1.65
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤..... 1.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 ₤..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 ₤..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ ₤..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 ₤..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤..... 1.35
Mealed Powder, in Kegs, 25 ₤. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ₤..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ₤ best black.....$ .85
Canister, equal in bulk to 2 ₤, best black..... 1.70
Drum, equal in bulk to 10 ₤, best black..... 8.25
Drum, equal in bulk to 50 ₤, best black.....41.00
Drum, equal in bulk to 100 ₤, best black.....82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₩ doz. $3.80
Galien Safety.....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75

Anvils—

Eagle Anvils, ₩ ₤ 9c.....15@15&5%
Peter Wright's.....1 @10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9½c
American "Horse-Shoe".....9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4.00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16		24-16
$10.00	$11.00	$12.00		$14.00

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist..... 45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....30%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....30%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....dos. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ dos. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $22; 2, $18...40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....30&10&10%

GIMLET BITS—
Diamond ₩ dos. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood. 40@ 40&10%
Syracuse, for metal.50&10&5@60&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@40&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg ₩ gr.....$1.50@$1.55
Pat. Peg ₩ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. ₩ gr...$1.30@$1.40
Handled Brad, ₩ gr.....$2.50@$3 00
H'ld Scratch ₩ gr.....$4.00@$4.50
Socket Scratch ₩ dos....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ dos. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 42, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands..$5.25@5.50
First quality, other " $4.75@5.00
Beveled add 50c ₩ dos.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 ₤.....₩ dos. 30c net.
Circular Spring Balances.....50&10%

No.	2000	20	30
Chatillon's ₩ doz.	75c	85c	$1.65 net
Chatillon's Spring Bal.			50%
Chatillon's Cir. Sp'g Bal.			60%

Ice.....50&10%
Enterprise Barrel Jack Truck and Stand, each.....$5.00

Beef Shavers—

Enterprise:
Japanned, each.....$6.50
Tinned, each.....$7.50

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's.....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.60&10@60&10&10%
Western.....30&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....30&10%
Kentucky, Sargent's List...66⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75&
Extra.....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ dos. $3....10%
Terrell's No. 1 and 2, $8; No. 3, $8.60 ₩ doz.....30%
Millers Falls ₩ dos. $4.50.....

Bit Holders—

Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ dos. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..₩ dos. $3..33⅓@33⅓&10%
Excelsior..₩ dos. $10.00....50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro. sets.....$5.50
Gorhams Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ dos. $1.00..20@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55& 10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel ....60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list 30%
Wr't Shutter, all Iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com., Jan 30, '96.....65&12½%
Genuine Eagle, list Oct. '84...80&5@ 80&10%
Phila., Eagle, list $2.40.....80%
R. B. & W., old list.....70&10&2%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....67½%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95....80%
Bay State, list July 1, '95.....67½%
B. R. & W., list Oct. 15, '84.....80%

STOVE AND PLOW—
Stove.....67½%
Plow.....60&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....67½%

Bone Mills—

Enterprise.....30%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'.....	$5.50	$3.75.....50%
Snell's, Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 50@ 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—

Humason, Beckley & Co.'s.70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co.60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Bell American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&7½%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Hall.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Ball Rings—

Union Nut Co.....65%
Sargent's.....60@60&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.30@30&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....35½&5@35½&10%
Dunlap's Family.....25%
Foster Bros.....50%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....50&10@50&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...37½&10%
Cast Brass, Loose Joint.....37½&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze...37½

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5%
Fast Joint, Broad 50&10@50&10&10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned...75&10@80%
Loose Joint, Jap. with Acorns 75&10@80%
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@75&5%
Loose Pin, Acorns, Jap.70&10@75&5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....75&10@80%

WROUGHT STEEL—

List, April 1, 1895.
Narrow, No. 800.....
Narrow, Loose Joint, No. 802..
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No. 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No. 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 824.....
Extra Light, No. 826.....
Light Reversible, No. 834.....
Light Loose Joint, No. 836.....
Wardrobe, Ger. Pat. No. 837½.
Light Narrow, No 838.....
Loose Pin, Light Nar., No. 840.
Light Inside Blind, No. 842....
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 833.....
} 75&5@75&10%

Can Openers—

Messenger's Comet..₱ doz $3.00, 25%
American.....₱ gross $1.75@$3.00
Dunlap's Iron Handle, No. 3 ₱ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 3, iron Handle.₱ gr....$3.30@3.25
Eureka.....₱ doz. $3.50.....10%
Sardine Scissors..₱ doz. $6.75@8.00
Dunlap's Sardine Scissors, ₱ doz. $4.00.....25%
Star.....₱ doz. $2.75
New Sprague, Metallic Handles, ₱ doz.....50c
New Sprague, Wood Handles, ₱ doz.....60c
World's Best, ₱ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00..50&10%
Electric Rotary Expansive, ₱ gr $9.00
Goodell's Acme, ₱ gr. $8.00; ₱ doz.75c
Universal, ₱ doz. $3.00.....55&5%
Domestic, ₱ doz. $2.00.....45%
Champion, ₱ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ₱ gro $7.00.....50%
Kohler's Cyclone.....₱ doz. 75c
Kohler's Lightning.....₱ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@25%
Cotton.....2@25%
Wool.....2@25%

Carpet Stretchers—

Cast Steel, Polished.....₱ doz. $2.25
Cast Iron, Steel Points.₱ doz.75@80c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....₱ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....₱ doz. $36.00
Gold Medal.....₱ doz. $27.00
Prize.....₱ doz. $27.00
Premier.....₱ doz. $27.00
Superior.....₱ doz. $27.00
Cosmopolitan.....₱ doz. $27.00
Furniture Protector, Japanned.....₱ doz. $24.00
Furniture Protector, Nickel.....₱ doz. $27.00
Inter Ocean.....₱ doz. $27 00
Hall.....₱ doz. $48.00
Crown Jewel, japan finish, ₱ doz $19 00
Crown Jewel, silver bronze trimmings, ₱ doz.....$20.00
Crown Jewel, nickel trimmings, ₱ doz.....$21.00
Excelsior.....₱ doz. $28.00
Garland.....₱ doz. $18.00
Grand Rapids, Jap...₱ doz. $24.00
Grand Rapids, Nick..₱ doz. $27.00
Housewife's Delight..₱ doz. $15.00
Improved Parlor Queen Japanned.....₱ doz. $24.00
Improved Parlor Queen Nickeled.....₱ doz. $27.00
Standard.....₱ doz. $24.00
Bissell's Child's Sweeper ₱ doz.....$8.00

Casters—

Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&10%
Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '94.....50%
Yale Gem.....70&10%
Giant Truck Casters.....25%
Stationary Truck Casters.....50&10%
Socket Truck Casters..45&10@45& 10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....60%
COW TIES—
American.....60&10%
Triumph.....35½%
Covert's Horse and Cattle:
Jute.....35½%
Manilla.....35½%
Sisal.....35½%

Chain—

American Coil, in cask lots at fact.
5-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$4.75 3.50 4.00 3.75 3.50 3.40 3.30 3.15
Less than cask lots, add ¼c @ ½c ₱ lb.
Trace, Wagon and Fancy Chains, 60&10&10 @70%
Covert Mfg. Co.....45%
German Coil.....70@70&10%
German Halter Chain....70@70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....4"&2%
Covert's Heel Chains.....45&2%
Covert Mfg. Co. Chains.....45%
Galvanized Pump Chain, with Buckets.....6½@4½&c
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—
P. S. & W.....
Winsted Edge Tool Co.
Ohio Tool Co.....
Swan.....
Sag Harbor Tool Co....
Jennings & Griffin Mfg. Co.....
Mix.....
} 75@10&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to $
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....30%
Jennings & Griffin Mfg. Co. Drawing Knives.....75&10&10%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ₱ lb 14@16c
Box.....60&10%

Chucks—

Beach Pat....each $6.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..20@20&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....50%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $3.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 50&10%
Carriage Makers', Sargent's..50& 10@50& 10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....25&10%

Cleavers—

Foster's.....20%
Jennings & Griffin.....40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.00
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10& 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....50&10@50&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.....25%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....65%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33½%
Sandusky Tool Co.....25&10@60&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's.....33½%
Detroit Cork-Screw Co.....33½%
Howe Bros. & Hulbert.....25%
Samson.....₱ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N R. G. Gloves...₱ doz. $12 00
No. 025 Gloves.....₱ doz. 4.50
No. 125 Gloves.....₱ doz. 6.00
No. 150 Gloves.....₱ doz. 9 00
No. 55 Gloves.....₱ doz. 8.00
No. 145 Gloves.....₱ doz. 9.00
No. 148 Gloves.....₱ doz. 7.50
No. 149 Gloves.....₱ doz. 7.00
No. 128 Gloves.....₱ doz. 6.00
No. 058 Gloves.....₱ doz. 3.00
No. 147 Gloves.....₱ doz. 4 50
Wrist Supporters.....₱ doz. .75
No. 160 Husking Pin..₱ gro. 7.50
No. 165 Husking Pin..₱ gro. 10 50
No. 170 Husking Pin..₱ doz. 2.00
Hubbard's Solid Steel.₱ gr 6.00 35%
Perkins Boss:
Styles A and B, ₱ doz. $2.00; E, $1.75.....65
Wrist Supporters.....₱ doz. 75c
Mittens.....₱ doz. $1.50
Ashtabula.....₱ gro. $9.50
Brinkerhoffs.....₱ gro. $15.00
Buckeye.....₱ gro. $4.00
Cleveland.....₱ gro. $7.50
Johnson's.....₱ gro. $6.50
Universal.....₱ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....35@35&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₱ gro. $3.75
Emerald.....₱ gro. 5.00
Oriole.....₱ gro. 5.00
Rainbow.....₱ gro. 2.51
Solid.....₱ gro. 7.50

Curry Combs—

Spring, Jap'd ₱ doz. $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber, ₱ doz. $7.50.....20@10%
Perfect.....25½%
F. E. Kohler & Co.'s Magic Oscillating.....₱ doz. $1.75
F. E. Kohler & Co.'s Humane ₱ doz. $1.50
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½
$1.25 $1.40 $1.60
5½ 6 7 inches
$1.75 $1.85 $2.25, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&10&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list. 40& 10@50%
Keystone Mfg. Co.:
Low List.....35%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....30%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00
SPARK COIL—
Stanley & Patterson $4.00.....30%
Stanley & Patterson "Daisy"..$1.20
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....35½%

Door Springs—

Torrey's Rod, 30 in, ₱ doz $1.20@1.35
Spice Rod ₱ gr., $20.00.....20%
Warner's.....55@55&5%
Gem (Coil), list April 19, 1893. 25&10%
Star (Coil), list April 19, 1893. 20&10 &10%
Foster's (Coil).....30%
Champion (Coil)...55&10@55&10&10%
Cowell's No. 1, ₱ doz, $18.00; No. 2, $15.00.....60@60&10%
Rubber, complete, ₱ doz. $5.50. 65%@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 30@60&10%
Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White.....25&5@25%
Bradley's.....25%
Adjustable Handle.....25@25&10%
Wilkinson's Folding.....25@25&10%
Hinsdale.....75&10%

Drills and Drill Stocks—

Blacksmiths'.....each $1.75
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $8.00..25%
Breast, Bartholomew's No. 12, ₱ doz.....$15.00
Ratchet, Merrill's.....30@30&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....30@30&5%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....30@35%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1 85
Stearns' Bench.....50@50&10%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
National .....₱ gro $1.50
Paine, Diehl & Co.'s Keystone..33⅓%
Dover (Standard Co.)....₱ gro $9.50
Dover Extra Heavy (Standard Co.) ₱ doz $3.50

Electrical Supplies—
J. Jones & Son:
Alarm Clocks, Electric.....$7.00 each, less 50%
Annunciators, $1.50 ₱ drop less 50%
Batteries, Leclanche...80c. each, less 50%
Batteries, Carbon..60c. ea., less 50%
Batteries, Medical,$8.50 ea., less 50%
Batteries, Dry .....50c. ea., less 50%
Bells Electric, 2¼, 50c. ea., less 50%
Call Bell Outfit, Electric...$2.00 each, less 50%
Desk Pushes Electric..80c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$1.50 each, less 50%
Floor Pushes, Electric...60c. ea., less 50%
Gas Burners, Electric....50c. ea., less 50%
Gravity Batteries, $1.00 ea.. less 50%
Hydrometers....75c. each, less 50%
Incandescent Lamps..40c. each, less 50%
Induction Coils, Telephone..60 c. each less 50%
Lead Covered Wire No. 18, No. 16, No. 14 Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Wood..10c. each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Sal Ammoniac...18c. ₱ lb., less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt... 24c. each, less 50%
Switches, 3 pt....28c. each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $2.40 ea., less 50%
Spark Coils, 12 pt.....$3.00 each, less 50%
Tape, Insulating, 8c. ₱ lb. less 50%
Tube, Speaking, $31.00 ₱ 1,000 ft. less 50%
Whistles, Speaking Tube, Porcelain.....75c ₱ doz., less 50%
Whistles, Speaking Tube, N. P., 2.00 ₱ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric...24c. each, less 50%
Yale Lock Switch, Electric, $1.50 each, less 50%
Zincs, Leclanche...04c. ea., less 50%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, FF
Kegs, ₱ lb..4½c	5c	3c	
½ kegs, ₱ lb.4½c	5½c	3½c	
¼ kegs, ₱ lb. 5c	5½c	3½c	
10 lb cans, 10 in case.... 6c	6½c	5½c	
10 lb cans, less than 10.. 10c	10c	8c	

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....70%

Enameline—
No. 4, ₱ gro.....$4.50
No. 6, ₱ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—
John Sommer's Peerless Tin Key.40%
John Sommer's Boss Tin Key....50%
John Sommer's No Brand Metal Key.....60%
John Sommer's W. P. Metal Key.40%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's Reliable Cork Lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Chicago Cork lined.....60%
John Sommer's O. K. Cork Lined 50%
John Sommer's Perfection Cedar..0%
John Sommer's Cedar (in bbls.) 50&10%
Bohren's Pat. Rubber Ball.....25%
Fuan's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₱ dos. $36.00 .....33⅓%
Lane's ₱ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—
Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt....	$3.00	$3.50	$4.00
Dairy Pails, 14 qt.....	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire.....	3.40		
Prison Pails, 16 qt. (with cover).....	6 50		
Buggy Pails, 7 in. high.	2.60		
Sugar Pails, with cover	4.50	5.00	
Horse Pails (short, wide and heavy).....	3.70		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt....	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.....	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.....	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1.40	1.70	2.00
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2.10
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls,.....	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4 00
Pitchers, 10½ in. high..	4.00	4.70	5.20
Milk Pans.....	1.50	2.00	2.20
Fruit Bowls.....	1.20	1.70	2.10
Keelers, 11½ inch.....	2.30	3 80	3.10
Waste Paper Jars.....	3.00	4 00	4.50
Mats, 8½ inch (for table use).....	.50	1 00	1.20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.50	6.50	7.00
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Peck Measures.....	2.80		
Half Peck Measures...	2.50		

Files—

DOMESTIC—
Best Brands.....60&10&10@70%
Good Brands.....70&5@75%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&5.0&10%

IMPORTED—
Stubs.....Stubs' list, 25&30%

Filters—
Seed's Water Filters:
A 1, $4.00 No. 2, $2.50 No. 3, $1.50 No. 4, $1.00 ₱ dos.

Fish Hooks—
Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fluting Scissors—
List.....45%

Forks—
Hay, Manure, &c., Asso. List....75%
Hay, Manure, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....net
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....net
Keystone, P. D. & Co.....30%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....net

Fry Pans—
Standard List:

No.....	0	1	2	3	4
₱ dos..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₱ dos.....	$3.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—
Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....30.....
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....2½%
Wire, Brown & Sharpe's.....25%
Stubs' Wire and Drill.....30%
Copeland Champion Bit ₱ doz $2.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₱ gro....$4.50
Double Cut.....40%
United States .....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₱ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—
Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid.....25@30%

Glue Pots—
Tinned.....50@50&10%
Enameled.....50@50&10%
Family, Howe's "Eureka".....40%
Family, L. F. C.'s "Handy".....50%

Graters—
Enterprise.....25%

Grindstones—
Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—
Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P., S. & W. Co.....50&10&10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—
See Ammunition.

Hafts—
Britton's.....₱ dos. $6.50

Halters—
Covert Mfg. Co.....45&2%
Covert Saddlery Works:
Halters.....33⅓%
Web and Rope Halters...33⅓&5%
Horse and Cattle Ties.....33⅓&2%
Upson & Wooding.....40%

Halter Leads—
Covert Mfg. Co.....45%

Hammers—
HANDLED HAMMERS—
Maydole's.....25&1 @25&10&10%
Buffalo Hammer Co.... } 50&10@60%
Humason & Beckley... }
Atha Tool Co..... }
C. Hammond & Son. List..40&10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....30%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₱ doz..... Nos. 1, $3; 2, $2..... .....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₱ doz. $6.25.45%
Upholsterers Heavy, ₱ doz. $7.00 45%
Upholsterers Usual French, ₱ doz. $10.00.....45%
Upholsterers Solid Steel, French ₱ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₱ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb...₱ lb 40c } 75@75&5%
3 to 5 lb.....₱ lb 33c }
Over 5 lb.....₱ lb 30c }
Wilkinson's Smiths...10c@10½c₱ lb

Hammock Ropes—
Covert Mfg. Co.....45%

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$ .90	1.00	1.05	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@ 50&10&10%
Roggin's Latches ₱ doz....35c@30c

STORE DOOR HANDLES.—
Japanned Nuts.....$1.62
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door 60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc .....10&3%
Brad Awl .....₱ gr. $2.00
Hickory Firmer Chisel, as ₱ gr 4.50 } 40&10@55%
" Firmer Chisel, large ₱ gr 5.00 }
Apple Firmer Chisel, as.. ₱ gr 5.00 }
Apple Firmer Chisel, large ₱ gr 6.00 }
Socket Firmer Chisel, as. ₱ gr 3.00 }
Worcester Leather Cap'd Chisel.25%
File, assorted.....₱ gr 2.75 }
Auger, assorted ...₱ gr 5.00 } 50%
Auger, large.....₱ gr 7.00 }
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₱ set $1.25
Pat. Auger, Swan's.....₱ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.60&10@60&10&10%

CROSS-CUT SAW HANDLES—
Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45&45&10%
Sensible.....₱ dos. pr. $5....30%

Hangers—
Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion .....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4, $35.00.. .... 70%
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction.60&10@.0&10&5%
Duplex (Wood Track).....60&10&5%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10 &10%
Munger Hanger.....20&10%
Davis Parlor Door.....50@50&5%
Cronk's Steel cov'd Anti-Friction..60%
Cronk's Acme, Flat Steel ₱ dos. $7.00.....75%
Queen City Reversible...75&10&5%
Felix, ₱ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....50@50&5%
Rider & Wooster, No. 1, 66⅔c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&5@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—
Lightning, from jobbers.$6.50@$7.50
Gem.....₱ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₱ doz $11.50@$12.00
Heath's.....₱ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₱ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T.....75&10@80%
Corrugated Strap and T..75&10@80%
Hart's Pat. Heavy Strap.....30%

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Screw Hook and Strap. { 6 to 12 in., ₩ lb 8 c; 14 to 20 in., ₩ lb 2 ½c; 22 to 36 in., ₩ lb 2 c
Rolled Blind Hinges Nos. 32 and 34 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 6 to 12 in. ₩ lb, 5c. 14 to 36 in. ₩ lb, 4c.

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Kell's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....30%
Acme.....30%
American.....30%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$12.0
New Idea, No. 1, ₩ gro.....$12
New Idea, No. 2, ₩ gro.....$24.
Hero and Monarch.....55%
American, Gem and Star.....30%
Oxford.....30%
Barker's Double Acting.....35%
Union Mfg. Co.....35%
Bommer's.....35%
Buckman's.....35%
Chicago.....30%
Wiles' No. 1, ₩ gr., $14.00; No. 2, $13.00
Devore's No. 1.....₩ gr. $18.00
Rex.....₩ gr. $13.00
Royal Japanned.....66⅔%
Royal Bronze.....45%
Reliable.....60%
Champion.....60%
Matchless No. 10.....70%
Victor.....₩ gr. $10.00
Torrey.....60%
Rubber.....66⅔%

GATE HINGES—
Western, ₩ dos $4.20, 60&10@60&10&5%
N. E...₩ dos $7.20, 60&10@60&10&5%
N. E. Reversible..₩ dos $5.60, 60&10@60&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..₩ dos $4.90, 60&10@60&5%
Automatic.....₩ dos $12.50, 50%
Kell's Superior.....30%
Common Sense..₩ dos pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3. 60&10@60&10&5%
Sargents.....60%
Reed's Latch and Hinges...₩ dos $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&5%
Nicholson.....45&10%
Huffer.....60&10@60&10&10%
Clark's Nos. 1, 2, 5, 40 and 50. 75&10&5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 2, 5, 11, 12, 75@75 10%
Shepard's:
Noiseless.....75&10%
Niagara.....30%
Buffalo.....60&5%
Clark's Genuine Pattern.....60%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1¼, 2, 2½, 3.....75&10&2½%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.30. 30&1' @40%

Hitching Cords—
Covert Mfg. Co.....45%

Hoes—
HANDLED—
Garden, Mortar, &c.....75 & 20%
Planter's Cotton, &c.....60&20%
Warren Hoe.....60&10%
Magic.....₩ dos $4.00
Dunlap's:
Boys'.....60&10%
Ladies'.....60&10%
Toy.....60&10%

HYE—
D. & H. Scovil.....30%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.30&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat.....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....30&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Maslin Kettles.....75&10@30%
Boilers and Saucepans..60@60&10%
Tinned Boilers and Saucepans. 60@ 60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware....60&10%
Restless Hollow-Ware.....40@60&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&10&5%
Rogers & Brother.....40&15%
Hartford Silver-Plate Co....40&5&2½%
William Rogers Mfg. Co...40&15&5%

Hooks—
CAST IRON—
Bird Cage, Sargent's list / Bird Cage, Reading.... / Clothes Line, Sargent's list. } 60&10&10 @70% 5.&10%
Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....50&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60 &10&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ dos $1.35
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ dos.....60c

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%

WIRE—
Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat "Cres't".60&10%
Wire Coat and Hat, Miles' list April, 1886.....50@50&10%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....60&10@50&40%
Handy Coat and Hat.....60@60&10%
Steady Ceiling.....60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ dos.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $3; 3, $3.10; No. 4, $3.25
Bush.....55@55%
Whiffletree—Premium.....60%
Hooks and Eyes—Mal. Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....20

Horse Nails—

	Nos. 6	7	8	9	10	
Putnam.....	28c	21c	20c	19c	18c.	15%
American..	9½	9½	9½	9½	9½	net
Ausable.....	28c	26c	25c	24c	23c.	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&5%
Essex.....	28c	26c	25c	24c	23c.	40&10@50%
Lyra....	9½c	9½c	9½c	9½c	9½c.,	net
Snowden,	9½c	9½c	9½c	9½c	9½c.,	net
Vulcan....	28c	21c	20c	19c	18c.	25%
Northw't'n.	28c	28c	28c	21c	20c.	25@25&5%
A. U.....	28c	28c	28c	21c	21c.	40&10%
C. B. K.....	28c	28c	28c	21c.	21c	40%
Maud S....	28c	28c	28c	21c.	21c	50&10&5%
Champlain.	28c	28c	25c	24c	23c	40&5&2%
Saranac....	28c	21c	20c	19c	18c.	40&5%
Champion.	28c	28c	20c	21c	20c.	40&5&2%
Capewell...	19c	18c	17c	18c	16c.	10&5%
Anchor....	28c	21c	20c	19c	18c.	25%
Western....	28c	21c	20c	19c	18c.	30%
Empire Bronzed.....						10@10⅓c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co.....45%

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10.&5%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$4.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$4.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Shredders—
Enterprise, ₩ dos.....$15.00

Jack Screws—
See Screws.

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....₩ dos.85 @ $1.15
Ames' Shoe Knives.....25@ 70%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list net
New England Specialty Mincing Knives.....60%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@50&5%
Ames' Bread Knives. ₩ dos. $1.80. 20%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ dos. $4.50; 14 in. ₩ dos. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....55@60%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladies, Melting—
Sargent's.....50&10@60&10&5%
Monroe's Pat.....₩ dos $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Easy.....@60&10&30&10&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%

Kettles—
Spun Plain Brass.....25&5%
Spun Brass, plated inside with White Metal.....20&5%
Stamped Brass Kettles, ₩ lb 19@20%

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@ 60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ dos $4.00. 15%
Wollensak Tinned.....50&10%
Genuine Philadelphia Mowers: Styles, D., D. O. W., M., S., T., C. K. L., and B. Self-adjusting. 70&10%
Styles A., and E.....60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....₩ doz. $10.00
Gibbs' Hustler.....₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00..40% No. 4, $7.00 each.....33⅓%

Lemon Squeezers—
Porcelain Lined, No 1, ₩ dos. $6.00 20&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $3.75 20&10%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ dos. $6.50; 2, $8.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ dos. 8-in. $1.00; 10-in. $1.40.....20%

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—
C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....20c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....30%
Mason's Linen.....30%
Mason's Colored Cotton.....44%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ dos. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list August 15, 1895.....50&10 net
Mallory, Wheeler & Co., list July, '88.....50&10@70%
Reading Hdw. Co. List Feb. 2, '92. 60@60&10%
Sargent & Co., list July, '94..60&10 @60&10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓%
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Delts Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....50&10%
Shepardson or U. S.....35%

CABINET—
Cabinet Locks.....60&10@70%
Eagle Lock Co.....35&10%
Charles Parker Co.....33⅓&5%
Dietz, Nos. 23 to 39.....40%
Dietz, Nos. 41 to 78.....35%
Dietz, Nos. 87 to 96.....35%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....35%
Barnes Mfg. Co.....40@40&10%

PADLOCKS—
Wrought Iron.....70&10@30%
Gem. Corbin Cabinet Lock Co.40&5%
Eagle.....40%
Eureka, Eagle Lock Co.....40&5%
Yale Lock Co.....net prices
Romer's Nos. 0 to 21.....40&5%
Scandinavian.....20@40@60&40&10%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ₩ doz. $9.60...60@60&10%
Barnes Mfg. Co.....50@50&10
Nook's.....30&10%
Brown's Pat.....30&10%
Scandinavian.....20&10%
Fraim's Keystone Scandinavian
Nos. 1010 line.....90&50%
Nos. 120 line.....90&35%
Nos. 109 line.....85%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 108, inclusive.....30%
Ames Sword Co. above No. 108, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%
Slaymaker, Barry Co.'s:
No. 21 to 712.....net
Cast Key, Scandinavian Locks 20&10%
Flat Steel Key, Scandinavian Locks.....net
Self-Locking Scandinavian Locks.....net
Bicycle Locks.....35%
R. R. Switch and Car Door Locks.....net
Dog Collar Locks.....4 %
All other Padlocks.....net
Night Latches.....net

Mallets—
Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—
Regular list.....70&10@75%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.....	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ₩ dos.....33⅓%

Nos.....	100	150
	$15.00	$18.00

Hales Pattern ₩ dos.....70@70&5%

Nos.....	11	12
	$27.00	$32.00

American.....30%

Nos....	1	2	3	4	5	6
Each	$5	$7	$10	$25	$40	$60

Perfection.....40%

Nos.....	1	2	3
Each.....	$3.00	$3.75	$4.00

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Enterprise.....25&30%
Nos.....10 12 20 30 40
Each...$3 $3.50 $4 $6 $15
Miles' Challenge ₩ doz...45@45&10%
Nos.....1 2 3
$33.00 $30.00 $40.00
Home No. 1..₩ doz $36.00.....60%
Draw Cut, each:
Nos....5 2 6 3
$60 $75 $80 $225.....20@25%
Beef Shavers (Enterprise).....25@30%
Little Giant.....50&10%
Nos. 305 310 315 320 333
$65.00 $48.00 $44.00 $72.00 $58.00
Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.
Wire Nails and Brads, Patented, Association list, May 1, 1895, 8 & 10@8 &10&10%
Grand Crossing Tack Co. List:
Wire Brads.....80&85%
Wire Nails.....80&25%

FIXTURE—

Brass Head, Sargent's list, 70&10@70&10&5%
Brass Head, Combination list, 50&10%
Porcelain Head, Sargent's list, 50&10%
Porcelain Head, Comb'n list, 40&10%
Niles' Patent.....40%

FURNITURE—

Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—

Black Hawk, per doz.....$9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 20@10%
Giant, No. 2.....₩ doz $15.00, 20@10%
Pelican.....₩ doz $9.00, 25&10%
Lightning.....₩ doz $18.00, 20%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....60%

Nuts—

Cold Punched, Square....4½c off list
Hex.....5c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add 1½c ₩ ℔, net.
Tapped.....50%

Oilers—

Zinc and Tin.....70&10@75%
Brass and Copper.....50&10@60%
Malleable. Hammers, Improved 10&5%
Malleable, Hammers, Old Pattern, same list.....50&10@60%
"Perfect Pocket Oilers, 2oz. ₩ doz.....$1.35
Prior's Pat. or "Paragon" Zinc.....70%
Prior's Pat. or "Paragon Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....8.00
Discount 33⅓ %

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¼ to 2¾ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔.....70
Discount 33⅓%.

Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.

Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ ℔.....24
" 2x2x½, extra selected..40
Discount 33⅓%.

Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔.....2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔.....3.50
No. 1, 8 to 12x1¾ to 2x¾ to 1, ₩ ℔.....4.00
No. 2, 3 to 5½x1¼ to 2x¾ to 1, ₩ ℔.....1.00
No. 2, 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔.....1.50
Discount 33⅓%

Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x2 in.....₩ doz. $30.00
7x2 in.....₩ doz. 33.00
6x2 in.....₩ doz. 30.00
5x2 in.....₩ doz. 24.00
4½x ⅛ in.....₩ doz. 14.00
3½x1 in.....₩ doz. 9.00
4x1 in., on Mahogany Handles.....₩ doz. 7.00
3½ in. in Vulcanized Rubber Case.....₩ doz. 12.00
Discount 33⅓% 10&

Pike's Arkansas Round Edge Slips:
No. 1 reg., 3 to 5x1¾ to 2x⅝ to ⅝ in. back x⅛ to ⅜ in. edge, ₩ ℔.....$4.00
No. 1 small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x ⅛ in. to sharp edge.....₩ ℔ 6.00
No. 2 assorted sizes.....₩ ℔ 2.50
Discount 33⅓%

Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ ℔.....4.00
No. 2, assorted sizes, ₩ ℔.....2.00
Discount 33⅓%.

Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x¾ to 1 in.....₩ ℔, $1.50
No. 1, 5½ to 8x1¾ to 2x¾ to 1 in.....₩ ℔, 1.70
No. 1, 8 to 12x1¾ to 2x¾ to 1 in. ₩ ℔.....1.90
No. 2, 3 to 5½x1¾ to 2x¾ to 1 in.....₩ ℔, .50
No. 2, 5½ to 8x1¾ to 2x¾ to 1 in.....₩ ℔. .70
Discount 33⅓%.

Pike's Soft Arkansas:
Round Edge Slips.
No. 1. reg., 3 to 5x1¾ to 2x⅝ to ⅝ in. back x ⅛ to ⅜ in. edge, ₩ ℔.....$2.50
No. 1, small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x ⅛ in. to sharp edge.....₩ ℔, 4.00
No. 2, assorted sizes.....₩ ℔, 1.00
Discount 33⅓%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ in.....₩ ℔, $2.50
No. 2, assorted sizes, ...₩ ℔ 1.00
Discount 33⅓%

Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1½, ₩ ℔ .08
Washita Finish, about 8x2x¾ to 1½, ₩ ℔.....10
Round Edge Slips, about 6x1¼ to 2x½ to ¾ back x ⅛ to ¼ edge, ₩ ℔.....20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ ℔.....12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross.....8.00
Penknife Pieces, about 3½x1¼ x¼ to ½, ₩ gross.....30

Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ ℔.....08
Small Axe, about 3x2x½ to 1 ₩ ℔.....10
Special Axe, 2½x1½x½ ₩ ℔...18

Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 ℔, ₩ ℔.....05
Medium, 8 x 1½ x 1½, weight about 1½ ℔, ₩ ℔.....05
Large, 8x1¾x1¾, weight about 2 ℔, ₩ ℔.....05
Small table, 10x2¾x3¾, weight about 4 ℔.....₩ ℔. ...06
Large Table, 10x2¾x5 " 06

Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₩ ℔ .50
Extra, " ₩ ℔.....8
Round Edge Slips, No 1, ₩ ℔. 2.00
Discounts 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per ℔ 70c.....40%
Boston "Phœnix" Red Sheet, per ℔.....50c. net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N. Y. B. & P. Co., 1846-Para....40&10%
N. Y. B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....70@5%
Standard, Fair Quality...70&10@75%
Extra.....60&5@50&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₩ ℔ 30c 25@25&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ ℔
Russian Packing.....13c@14c ₩ ℔
Italian Packing.....12c@13c ₩ ℔
Cotton Packing.....14c@15c ₩ ℔
Jute.....6c@7c ₩ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 8.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.50
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro $4.50
Dixon's Mascot, Round..₩ gro. 3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00&7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $18.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&10%
Miscellaneous.....25&10%
Steers Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's.....6.@60&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
} 30&10@30 &10&10%
L. & J. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers. ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $13.00 30&5%
Cronke, Stubb's Pat Pliers.....5%
Cronk's Button Pattern.....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....25&10%
Stanley's Handy.....25&10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@75&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $35.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$6.75
Dixon's Plumbago.....₩ ℔ 8c

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $1.00; ₩ gr. $8.00
1½ qt. ₩ doz. $1.00; ₩ gr. $9.00
2 qt., ₩ doz. $1.50; ₩ gr. $14.00
} 10@15%
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt., $4 00.....33⅓%

Post Hole Diggers—

The Ryan,..... .....₩ doz., $15.00

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.
Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale, 10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.50@3.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔%@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔%@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $13.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73. Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 118. Fig. 448, 3½ in. Lift Pump.....$12.00
No 128, Fig. 510, 3 in. Lift Pump.....$7.00
No 131. Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50

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No. 225, Fig. 402, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$20.00
No. 260 Fig. 404, Imperial Cyclone Pump.....$13.00
No. 265, Fig. 512, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 403, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 250 Fig. 405, Bucket Spray Pump.....$5.00
No. 25 , Fig. 567, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₩ doz..80@65%
Bemis & Call Co.'s Cast Steel Drive, 50@45%
Spring, good quality, ₩ doz $1.20@4.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Sprl.ug....60&5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....30&5%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....60%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe.....$6.50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.00
Planished Iron, to fit 7 in. Stove Pipe.....$8.50
Planished Iron, to fit 8 in. Stove Pipe.....$10.00

Rail—

Sliding Door, Wr't Brass, 1½ in. ₩ ft., 35c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 2c
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.50
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....3¼c
Victor Track Rail, 7c ₩ foot.....70%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—

Cast Steel, Association goods.75&20%
Cast Steel, outside goods.....70c&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz. $3.50
Gibbs' Favorite.....net ₩ doz. $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1. net ₩ doz. $4.50
Gibbs' Hustler, No. 0. net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2, $2.50. } 25%
Duval's Wood, ₩ doz.,
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.12
Hay 12 teeth. No $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to $.....10%
Jordan's AAA1, list Nov. 1, 1896..50%
Jordan's Old Faithful, list Nov. 1, 1896.....50%
Electric.....List net
Campbell's Celebrated Warranted.....30%

Refrigerator Hardware—

Francis Keil & Son.....50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95.....65%
Coopers.....60%
Block.....60%
Carriage.....60%
Hame.....60%
Burrs.....60%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—

Regular list.....70%

Rods—

Stair, Brass.....25@ 10%
Stair, Black Walnut.....₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10& 10@70%
Moore's Acme Barn Door.....50%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope

Manufacturers' Prices:

Ma'la, 7-16in. & larg'r	₩ lb	7 c	1½ for cash in 10 days.
Manila	₩ lb	7½c	
Manila, ¼ and 5-16 in	₩ lb	7 c	
Man. Hay Rope, Med.	₩ lb	8 c	
Sisal, 7-16 in. & larger	₩ lb	5 c	
Sisal	⅜ in ₩ lb	5½c	
Sisal	¼ and 5-16 in ₩ lb	6 c	
Sisal, Hay Rope	₩ lb	5 c	
Sisal, Med. L'the Y'rn	₩ lb	4½c	

Cotton Rope, Best, ¼ in. and larger.....₩ lb 13@12½c
Medium, ¼ in. and larger, ₩ lb..8c
Common, ¼ in. and larger, ₩ lb..8c
Jute Rope.....₩ lb 5½@6c

Rules—

Boxwoo...50&10&10&10@50&10&10 &10&5%
Ivory.....50&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%
Lufkin's Steel.....60%
Lufkin's Lumber.....50&10%
Brown & Sharpe.....25%

Sad Irons—

From 4 to 10.....₩ lb 2@2¼c
Self-heating.....₩ doz $10.00, 20%
Self-heating, Tailors' ₩ doz $22.50, 25%
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....5½c
New England.....5c, 20&10%
Mahony's Troy Pol. Irons.....15%
Sensible Pol., ₩ doz $1.50.....30%
Nickel.....₩ doz. $7.00
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$7.45
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$7.00
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$6.25
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$7.75
Irons, No. 4 with handles ₩ doz.....$9.80
Irons, No. 4 with handles ₩ doz.....$8.80
Irons, No. 1, 2 or 3, ₩ doz.....$5.75
Irons, No. 1, 2 or 3, ₩ doz.....$6.25
Toy Irons, ₩ doz.....$1.50
Toy Irons, ₩ doz.....$1.25
The "Best" Handles, with Forged Iron Stretchers, ₩ doz.....$3.00
Colebrookdale Iron Co.:
Crown, Impooved Pol, ₩ doz. $6.50
Nickel.....₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper..50&10& 5@5%
Emery Cloth.....50&5%
Garnet Paper.....50&5%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—

Common.....₩ lb 8½c@9c
Jute, good quality.....₩ lb 11c
White Cotton Braided, fair...₩ lb 23c@24c
Common Russia Sash. ₩ lb 12½c @ 3c
Patent Russia Sash...₩ lb 13½c@14c
Cable Laid Italian Sash ₩ lb 22½c@25c
India Hemp Sash.....₩ lb 10½c@ 1c
Silver Lake:
A Quality, White., ₩ lb 50c....10%
A Quality, Drab...₩ lb 55c....40%
B Quality, White ₩ lb 30c, 15&7½%
B Quality, Drab, ₩ lb 35c..15&7½%
C Quality, White (only) 26½c @ 28c
Sylvan Spring:
Extra Braided White.....₩ lb 36c
Extra Braided Drab.....₩ lb 33c
Semper Idem, Braided White ₩ lb 24c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ lb 30c
"Samson" Braided Drab, Cotton.....₩ lb 35c
"Samson" Braided Italian Hemp.....₩ lb 33c
"Samson" Braided Linen, ₩ lb 30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....60%&5%
Shutter Sheaves.....50%
Window Screen Sash Lifts.....60%&5%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 50%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....60&10@60&10&10
Hammond's Window Springs, A 60&10%
Hammond's Window Springs, B..50%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86.....70%
Payson's Perfect.....70%
Hugunin's Sash Balances.....30&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@60&10&10%
Davis, Bronze, Barnes Mfg. Co...60%
Champion Safety.....70&5%
Security.....70%

Sash Weights—

Ic. ₩ lb, Carload lots.....$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....30%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—

Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
Woodrough & McParlin Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.25@25&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill, 4 @45&5%
Richardson X Cuts.....45&10%
Richardson Hand-saws....25@2 &5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—

Griffin's complete.....40&10@50%
Griffin's Hack Saw and Blades, 40&10@50%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—

Star Hack.....25%
White Vermont..₩ gro. ,$9.00@$9.50
Red, Polished and Varnished...₩ doz., $1.50 25%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 55@55&10%
Common Lever ₩ doz., $3.00, 45@50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $30.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....35%&5%
Leach's No. 0, $3.00; No. 1, $15.00.. 33⅓@35%
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, 25.50 25@25&10%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....35%&5%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—

Union Platform Plain.....$2.00@$2.20
Union Platform Striped..$2.15@$2.35
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....25%
Chatillon's Favorite.....40%
Family, Turnbull's.....30@30&10%
Richie Bros.' Platform...40@40&10%
Brittan Graham & Mathes.....5%
"The Standard" Pittsburg.....50%

Scale Beams—

Scale Beams, List Jan. 12, '96..30& 10@30&10&10%
Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $2.00.....40&10%
Box, 1 Handle.....₩ doz., $2.00
Box, 2 Handle....₩ doz., $2.00@$4.00
Defiance Box & Ship.....30&10%
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....60&10&5%
Flyer.....60&10%
Window Screen Frames.....60&5%

Screen Doors—

Phillips:
Stained.....30&10%
Painted.....30&5%
Fancy Pine.....15%
Empire Fancy.....30&25%
Standard Oil.....35&40%

Screw Drivers—

C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....40@50&10
Disston's Pat. Excelsior.....50&5%
Buck Bros.....25%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles..65&10%
No. 36.....70&10%
Sargent & Co.'s:
No. 1 Forg. Blade.30&10@50&10&5%
Nos. 20, 40 and 60 50&10@50&10&5%
French's Beech, Round.....70%
French's Beech, Flat.....70%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral.....50%
Gay & Parsons.....25%
Champion.....40@40&10%
Clark's Pat.....30%&40%
Ellrich's Socket and Ratchet.40&10%
Howard-Allard....50&10@50&10&5%
Rapid Spiral.....30%&5%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $4.25
Frary's Hol. Hdle. Sets, No. 8, $12..65%
Hercules.....70%
P. D. & Co.'s all Steel.....25%
Brace Screw-Drivers.....65&10%
P. S. & W.....70%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon:
"Handy" Ratchet.....27½&5%
Champion.....35%&5%
Copeland.....25@25&10%
Brace.....25&10%
Williamson's:
Gem, ₩ doz.....90c } 85%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
143 Ebonized Handle.....70%

Screws—

WOOD SCREWS—List, Dec. 20, '95.
Bright Flat Head Iron.....25%
Br't R'd & Oval Head Iron.....15%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....80%
Silver Plated, Round Head.....80%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80&10%
R'd and Ovel Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....60%
Round Head Copper.....60%
Rogers Drive Screws.....85%

MACHINE—

Flat Head, Iron.....40%
Round Head, Iron.....40%
Brass, Flat Head.....40%
Brass, Round Head.....60%

BENCH, HAND, ETC.—

Bench, Iron.....75%
Bench, Wood, Beech.....₩ doz $2.25
Hand, Wood.....25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1892. 75&50%
Coach list Jan. 20, '96.....75&17½%
Bed.....25&10

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Hand Rail, Sargent's, 70@10@70&10&10%
Hand Rail, H. & B. Mfg. Co. .75@75&5%
Hand Rail Am. Screw Co. 70%
Jack Screws, Millers Falls, Roller Bearing.....5&10&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W. 35%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns'.....40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—

C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' No. 1, $8; No. 6, $10; No. 7, $15.....25%
Barnes Scroll Saw Blades.....25%

Scythes—

Grain.....50@50&10%
Grass.....50&10@60%

Seeders—

Enterprise Raisin.....25%

Shears—

Ætna, Steel Japanned.....80&30%
Ætna, Steel Nickeled.....70&30%
Davenport Cutlery Co.'s...60@60&10
American (Cast) Iron..75&10@50&5%
Barnard's Lamp Trim'rs, ₱ doz. $3.75
Tinners' .....30&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1897.50&10@60&5%
R. & E., list August 15, 1895.....60%
Corbin's list.....60&10&5%
Patent Roller.....60&10&5%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1895.....60&5%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s..... .....60%
Sargent's list.....70%
Reading list.....65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phoenix and Bryden's Bars, from jobbers.....$3.15@$3.40
Bryden's Frog Pressure.....$4.00
Perkins Steel Side Weight Hind $3 15 @ $3 40
Perkins Improved Snow.....₱ ₱ 4c

MULE—

Add 50c ₱ keg to above prices.

OX, WROUGHT—

Ton lots.....₱ ₱ 9c
1000 ₱ lots.....₱ ₱ 9¼c
500 ₱ lots.....₱ ₱ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c.....20%
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₱ doz. $4.25 25&30%
Snow, D Handle, ₱ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....50&10&5%

Shovels and Tongs—

Iron Head.....60&10@60&10&5%
Brass Head.....60&10&10%

Sifters, Flour—

Hunters' Genuine, ₱ gross, $18@18.50

Slaw Cutters—

Enterprise.....25%

Slicers—

Enterprise Vegetable.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guarded, 70&10&10@70&10&10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German, new list.....40&10%
Shaw Patent Slide Lock.....60%
Ceckeye.....70&10%
Covert Mfg. Co.....45&2@50%
Covert Mfg. Co:
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel..... } 40&2% @5%
Double Ear Bits or Trace Carrier.....
Breast Strap Buckle Staps
Breast Strap Protector....

Spoke Shaves—

Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.) 50&10%
Seymour Smith & Sons, Iron.....30%
Millers Falls.....35%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—

TINNED IRON—

Basting, Can. Stamp. Co's list. 75&10@30%
Solid Table and Tea, Can. Stamp. Co.'s list.....70&2%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co.. 40&15&5%
L. Boardman & Son.....50&12½%

MISCELLANEOUS—

German Silver.....50&10%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60&5%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60&10%
Boardman's Nickel Silver 60&7½&5%
Boardman's Britannia Spoons, case lots.....60&10% cash

Springs—

See Door Springs.

Squares—

Steel and Iron..... } .....75&10@90%
Nickel-Plated..... }
Try Square and T Bevels 50&10&10%
Disston Try Square and T Bevels. 50@50&10%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....25%

Staples—

Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—⅛ inch and larger ₱ ₱.....7c@7½c
Barbed Blind—⅜ inch, ₱ ₱..8c@8½c
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—

Blacksmith's:
Waterford Goods.....35%
Butterfield's Goods.....35%
Lightning Screw Plate..... 25@30%
Reece's New Screw Plates.....25@30%
Reversible Ratchet.....35%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stoves.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

Papered, Dozened and M's. Straight Weights. Full Half and Quarter Weights, 2% for cash.

Star weights (**). 5% extra; Standard weights (***). 10% and 5% extra, and special weights (***) (tinned and coppered carpet tacks only), 10% and 10% extra.

Carpet Tacks:
American, blued.....80&3 2%
America, tin and cop'd..85&33⅓%
Steel, blued and bright.....85& 0%
Steel, tinned and cop'd...85&33⅓%
Swedes Iron, S.S., blued.80&33⅓&10%
Swedes Iron, S.S., tin'd.8 &33⅓&10%
Swedes, Iron, Lanc., blued....87½%
Swedes, Iron, Lanc., tinned..87½%
American, Iron, D. m.....85&.0&5%
Swedes Iron Tacks:
S. S., blued.....87½%
S. S., tinned.....87½%
Lanc., blued..... 8 &2%
Lanc., tinned..... 8 &2%
Upholsterers' Tacks:
S. S.....80%
Lanc.....80&3%
Gimp Tacks:
S. S., blued..... 9 &15%
S. S., tinned..... 9 &10%
Lanc., blued..... 80&30%
Lanc., tinned.....85&30%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Looking Glass Tacks..... 70%
Leathered.....6 %
Lace Tacks..... 70%
Blued and tinned..... 8 &35%
Basket Tacks.....62½%
Berry Box Tacks.....62½%
Trunk Tacks:
S. S..... 66⅔%
Lanc.....62½%
Miners' Tacks, S. S.....66⅔%
Bill Posters' and Railroad Tacks:
S. S.....66⅔%
Lanc.....62½%
Brush Tacks, bulk..... 87½&2%
M's.....75&15%
S. S.....55%
Lanc.....5 %
Hungarian Nails.....80&20%
Common and Patent Brads..... 80%
Finishing Nails.....57½%
Trunk and Clout Nails.....57½%
Basket Nails..... %
Chair Nails.....45%
Cigar Box Nails.....45%
Shoe Finders' List, April 14, 1894.
Extra 3⅓%&2% cash.
F. H. Cobblers Nails:
4¼-8in., and shorter, ₱ 100 ₱ $17.60
⅝ in. and longer, ₱ 100 ₱... $15.90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:
No. 18 & 19. 17 & heavier.
2-8&2¼-8 in. $64 90 $44 10
2-8&3⅛-8 in. 55.50 38.00
4-8& longer, 44.50 36.10

MISCELLANEOUS—

Double Point.....85&10@85&10&5%
Wire Carpet Nails.....80&10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₱ box $1.50
Claw Handle Carpet.....₱ gr $4.00
Home Tacks. No. 50, ₱ case (12 cartons), $36.00; No. 100, ₱ case (12 cartons), $72.00. 50& 2%.
Home Nails, No. 200, ₱ case (12 cartons), $30.00; No. 400, ₱ case (12 cartons), $60.00. 5 &2%.
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks. 66⅔&33⅓&2%
Miniature Keg Tacks. 66⅔&33⅓&2%
Upholsterers' Nails.....50&10%

Tack Pullers—

Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50

Tapes, Measuring—

Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Tin, Perforated—

Harrington & King Perforating Co.: IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.45	$1 58
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$7.25	$1.20
6	$6.95	$1.15
7	$6 55	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&2%

Trammel Points—

Cook's.....25%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%
Sargent's.....70&10@70&10&10%
Backus and Union.....40%
Prentiss'.....30@25%

Tracks, &c.—

F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T... $3.50
Single rail Car, Single Steel T. $3.50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₱ ft..... .09
Single Rail Steel Track with clamps, ₱ ft..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1 15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₱ doz.....$3.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₱ doz. $3.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₱ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₱ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₱ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig. 424, ₱ doz.....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₱ doz.....$2.00
Floor Hooks, ¾ in. ₱ doz..... .65
Hanging Hooks for Double Steel Track, ₱ doz..... .00
Hanging Hooks for Single Steel Track, ₱ doz..... .80
Hanging Hooks for Wood Track, 10 in. ₱ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₱ doz..... .55
Wrought Rafter Brackets, ₱ doz..... .45
Malleable Rafter Brackets, ₱ doz..... .45
Rope Hitch, ₱ doz.....$1.75

Transom Lifters—

Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—

GAME—

Enterprise Mole.....15%
Oneida Pattern..... .75&5@77&10%
Newhouse.....40&10@50&5%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....50&10@60%

MOUSE AND RAT—

Mouse, Wood, Choker, ₱ doz hole 3@10%
S. T.....₱ doz $6.00, 20%
Mouse, Round Wire, ₱ doz $1.50, 10%
Mouse, Cage, Wire, ₱ doz $2.50, 10%
Mouse, Catch-'em-alive ₱ dz $3.50, 15%
Mouse, Bonanza....₱ doz 90c@$1.00
Mouse, Ideal.....₱ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₱ gr $9.50
Rat, Keystone.....₱ gr $10.00
Rat, Exterminator.....₱ gr $12.00
Rat, Decoy.....₱ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₱ doz. 65c.; in full cases..... 60c
Improved Rat.....₱ gross, $12.50
New Rat.....₱ gross, $13.50
Schuyler:
Mouse, ₱ gross $18.00.....50%
Rat.....₱ gross $18.00
Household.....₱ gr $10.00
Erie Rat.....50%
Smith & Egge Mfg. Co:
Superior Rat Trap, ₱ doz....$15.00
Yankee Rat Trap, ₱ doz.....$ 1.00
Yankee Mouse Trap, ₱ doz....$5.50

FLY—

Balloon, ₱ doz $1.50.....₱ gr. $12 50
Electric Rod.....₱ gr. $16.50
Globe.....₱ gr. $13.50
Harper.....₱ gr. $16.50

Trowels—

Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..25@25&10%
Peace's Plastering.....25@25&5%
W. & McP. Plastering. 25%
Richardson.....25%
"Rose" Brick Plastering and Moulders.....8 @30& 10%
Brade's Brick.....25@33⅓%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—

Solid Box.....50&10@90%

PARALLEL—

Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@40&10%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Massey's Quick Ation.....20@ 20%
Bonney's.....50@50&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@25%
Simpson's Adjustable.....25%
Moore's.....20%
Little Giant Bench.....65&10&5%

SAW FILERS—

Bonney's Nos. 2 & 3, $15.00.....40&10%
Stearn's.....40%

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Stearn's Silent Saw Vises....20&10%

Wads—

See Ammunition.

Whips—

American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50@$12.00

American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving 4½ ft., $ 8.00; 5 ft., $9.00; 5½ ft., $10.00; 6 ft., $34.00; 6½ ft., $27. 0; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
Eureka, Two-thirds Whalebone, 5½ ft., $15.00; 6 ft., $ 6.50; 6½ ft., $18.00; 7 ft., $21.00.
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft., $ 0.50; 6½ ft., $12.00; 7 ft., $13.50 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $ .00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors .....6 ft., $6.00
Americus, 9d Pen Whip, 6 ft., $6.00
Gents' Light Driving, No. 111, 6 ft.....$3.00
Gents' Light Driving, No. 106 6 ft.....$5.00
Hand-Made Stocked Java, No. 103.....5½ ft., $3.75; 6 ft., $4.00
Team Whips....₩ doz $2 0 @$7 5
Hardware Assortment 10 ; American, 75 Whips for.....$50.00

Window Cleaners—

Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—

Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@80%
Cop'd, Nos. 0 to 18, 75& @70&10&5%
Galv., Nos. 0 to 18.....70&10@75%
Tin'd, Tinned list Nos. 0 to 18..75 &5@75&10%
Tinned Broom Wire, Nos. 18 to 31, ₩ ₤.....4½c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass.....55%
Brass.....30@30&5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30, ₩ ₤.....6 @70c
Tate's Wire Picture Cord Braided and Twisted.....85@10&10%
Picture Wire.....New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—

Painted Screen Cloth good quality, ₩ 100 sq. ft., $1.35@$1.40
Galvanized Wire Netting....80&10 @85&25%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....80@55

Wire Rope—

List.
Iron.....20&2½%
Iron, Galvanized.....20&2½%
Cast-steel.....20&2½%

Wire Rope Clips—

Crosby.....35%

Wrenches—

Acme:
Bright.....60@60&5%
Nickel.....40&5@50%
Heavy.....50%
Alligator.....60&10%
Hercules.....70%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's Adjustable "S".....70@70&10%
Baxter's Diagonal.....60@60&10%
Coes' Genuine.....50& @50&10%
Coes' "Mechanics'".....50&10@&20@20%
Girard Standard.....65&10@70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....60&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $2 50@2.60 60%
Boardman's.....34½%
Always Ready.....35½&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—

In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1895, 25
Colby Wringer Co., list May 1, 1894, 25
Lowell Mfg. Co., list July 2, 1894...20
Peerless Mfg. Co., list Feb., 1892...25
National Wringer & Mfg. Co., list Jan. 1, 1895.....25
NOTE.—On lots of 1 dozen a discount of 10% is often given.

PAINTS, OILS AND COLORS.

Oils—

Linseed, City, Raw, in bbls. ₩ gal. 42c
Linseed City, Boiled, " ₩ gal. 45c
Out of Town on Spot.....₩ gal. 40c
Calcutta, Raw, in bbls....₩ gal. 47c
Lard. Prime City.....₩ gal. 50@51
Western, Prime.....50 51
Extra, No. 1.....40@41
No. 1.....37@39
No. 2.....33@35

Paints and Colors—

Barytes, Prime White. ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $15.00@$18.00
Barytes, Domestic Floated, ₩ ton $23 00@$28.00
Barytes, Off Color, ₩ ton, $10.00@$13.00
White Lead, American, Dry, ₩ ₤ 4½@5¼c
White Lead, American, in Oil, ₩ ₤.....5½@5¾c
White Lead, English, in Oil, ₩ ₤ 5½@5¾c
Litharge, American Powdered, ₩ ₤.....4¾@5¼c
Litharge, English Flake, ₩ ₤ 7¼@8 c
Litharge, Glassmakers', ₩ ₤ 4¾@5¼c
Zinc, American, Extra Dry, ₩ ₤ 3¾@4¼c

Putty—

Putty in Bulk.....$1.45@$1.70
Putty in Bladders.....$1.65@$2 00
Putty in Tins.....$2 00@$2.50

Spirits Turpentine—

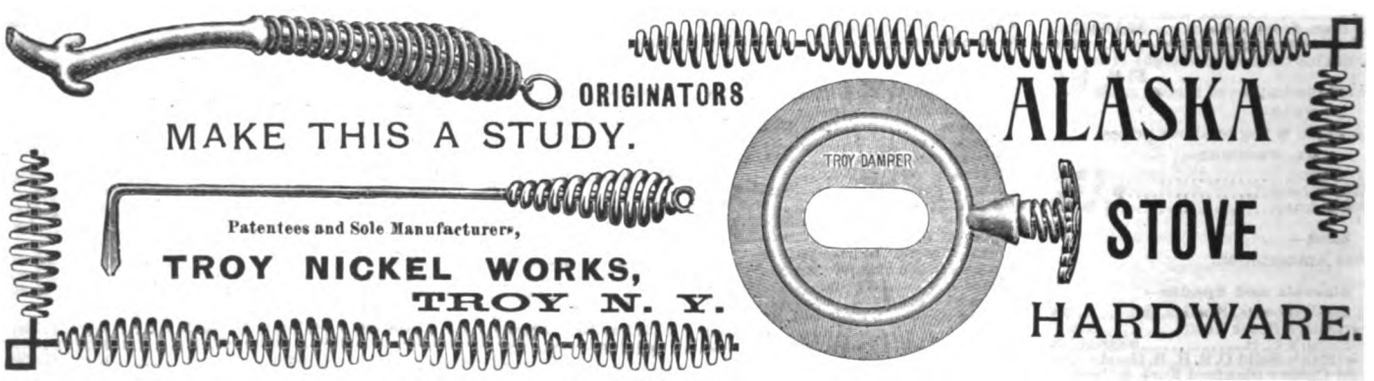
Spirits Turpentine, ₩ gal..28@28½c

Dry Colors -

Blue, Chinese.....₩ ₤ 35 @40 c
Blue Prussian.....₩ ₤ 30 @35 c
Blue, Ultramarine..₩ ₤ 7 @35 c
Brown, Sienna, American, burnt .....₩ ₤ 1½@ 1¾c
Brown, Sienna, American, raw.....₩ ₤ 1¼@ 1½c
Brown, Umber, American, burnt.....₩ ₤ 1½@ 1¾c
Brown, Umber, American, raw.....₩ ₤ 1½@ 1¾c
Brown, Vandyke, German.....₩ ₤ 2½@ 3½c
Brown, Vandyke, American.....₩ ₤ 1½@ 2½c
Green, Chrome, Common.....₩ ₤ 5 @ 6 c
Green, Paris .....₩ ₤ 20 @25 c
Indian Red, Standard, American ...₩ ₤ 2 @ 3 c
Venetian Red, English Prime.....₩ ₤ $1.75@$1 90
Yellow, Chrome ....₩ ₤ 16 @25 c
Yellow, Ocher, French ₩ ₤ 1 @ 1½c

Colors in Oil—

Black Coach Japan ₩ ₤..18½@20 c
Black Coach Japan in Oil.....₩ ₤ 12 @13 c
Black Drop .....₩ ₤ 7½@10 c
Black Lampblack, prime, ₩ ₤ 27 @33 c
Black Lampblack, medium.....₩ ₤ 15 @20 c
Black Lampblack, 2d quality.....₩ ₤ 13 @19
Black, Lampblack, low grade .....₩ ₤ 6½@10 c
Blue, Chinese.....₩ ₤ 35 @40 c
Blue, Prussian .....₩ ₤ 30 @40 c
Blue, Ultramarine..₩ ₤ 13 @1 c
Brown, Sienna burt ₩ ₤ 7 @10 c
Brown, Sienna, raw. ₩ ₤ 7 @10 c
Brown, Umber, burt ₩ ₤ 7 @10 c
Brown, Umber raw .₩ ₤ 7 @10 c
Brown, Vandyke....₩ ₤ 7 @11 c
Green, Chrome.....₩ ₤ 8 @14 c
Green, Paris.....₩ ₤ 16 @1¾c
Red, Indian.....₩ ₤ 12 @15 c
Red, Venetian.....₩ ₤ 4½@ 8 c
Yellow, Chrome.....₩ ₤ 12 @18 c
Yellow, Ocher, Fre'ch ₩ ₤ 4½ c



✠ Pflueger's Luminous Baits ✠



Are recognized as the **GAME FISH KILLERS of the WORLD.**
Made in all desirable forms of lure, such as——●

✠

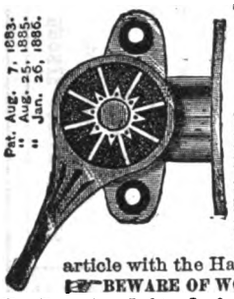
Trolling Spoons, Casting Baits and Spinners. Rubber Baits to represent all kinds of Insects, Frogs, Dobsons, Minnows. Flies, Leaders, Snells, Floats, Sinkers, Furnished Lines, Fly Cream and other allied Specialties for Fishing and Out-Door Sport.

Luminous Bait possesses the happy combination to Catch Fish in deep and roily waters, cloudy days and after dark; also is more effective than any other make for day use. . . . . .

Our 96-page Illustrated Catalogue mailed free for the asking.

THE ENTERPRISE MFG. CO.,
AKRON, OHIO.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

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REFRIGERATOR
Locks and Trimmings.

Largest Manufacturers. New and **Beautiful Design, Finish,** and of the latest pattern. You will find our Refrigerator Hardware the best and will not fail to please all. Give us a trial. We also manufacture Locks, Butts, Knobs, House Door Trimmings, Sash Locks, Sash Pulleys, Castors, Brackets, and

General Builders' Hardware

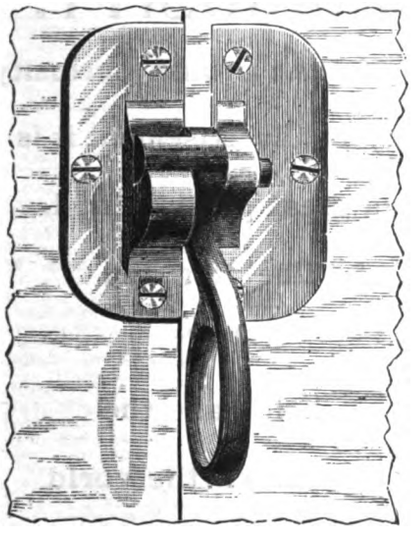
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Allentown Hardware Works,

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The CONROY PATENT
Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

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ART IN REFRIGERATORS

NEW EMPIRE LINE



SEVEN WALLS TO SAVE THE ICE

THE GLACIER

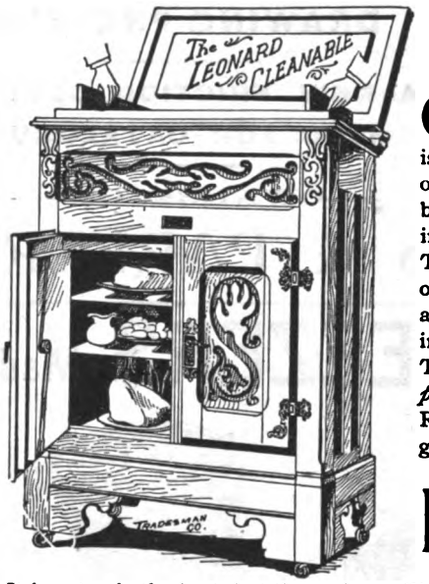
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GRAND RAPIDS, MICH.

The Leonard System of



REFRIGERATION

CONSISTS in discharging partially cooled air into the ice chamber, and is accomplished by making the inner flues of galvanized iron. These are kept cool by the ice and partially cool the ascending air before it enters the ice chamber. The air is then further cooled by passing over the ice and under the false bottom also made of galvanized iron, where all impurities are condensed out of it. Then it passes to the provision chamber, *pure, dry and cold.* There is no other Refrigerator like this one. Be sure you get the

Leonard Cleanable

It is not only the best, but the easiest selling Refrigerator in the market. Its

Movable Flues, Metallic Ice Rack, Air Tight Locks, Eight Walls for Insulation, Elegant Styles

Are all selling points which capture the sales.
Send for Catalogue and secure the Agency.

GRAND RAPIDS REFRIGERATOR CO.,

Grand Rapids, Mich.

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CLENDENIN BROS., BALTIMORE, MD.

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THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

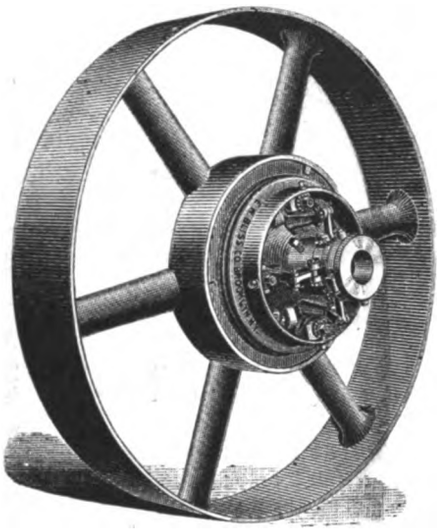
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PRESSES, DIES AND SPECIAL MACHINERY.

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ALL KINDS OF

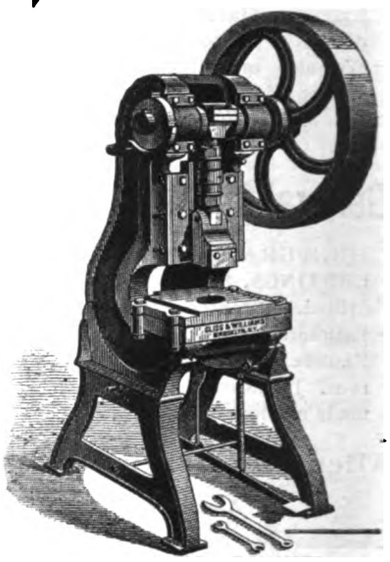
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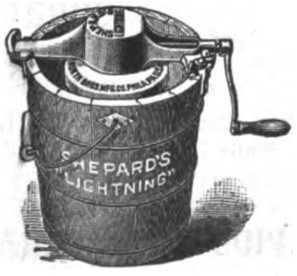
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THE STILES & PARKER PRESS CO.

The BEST FREEZERS Made

Have Electric-Welded Wire Hoop Pails, made of Best Virginia White Cedar and Drawn Steel Bottom Cans. . . . . ◆

Sold by Leading Jobbers.





Have You Seen the Drawn-Steel Bottom Can ?



Stronger, Last Longer, Handsomer.

Equalled by None

In Perfection of Design and Construction and Practical Results in use. . . .

Manufactured Exclusively by . . .

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PHILADELPHIA, PA.

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First catch the eye, then appeal to the reason.

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Van Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

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Indianapolis Chain & Stamping Co., Indianapolis, Ind.
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Liberty Cycle Co., New York.
John P. Lovell Arms Co., Boston.
H. A. Lozier & Co., Cleveland, O.
John McClave & Son, New York.
Monarch Cycle Mfg. Co., Chicago.
Morgan & Wright, Chicago.
New Departure Bell Co., Bristol, Conn.
New York Belting & Packing Co., Ltd., New York.
Overman Wheel Co., Boston, New York, Detroit, Denver, San Francisco, Los Angeles, Portland.
Pope Mfg. Co., Boston.
Quincy Cycle Co., Quincy, Mass.
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rochester Cycle Co., Rochester, N. Y.
Rouse, Hazard & Co., Peoria, Ill.
Sager Mfg. Co., Rochester, N. Y.
W. G Schaak, Buffalo, N. Y.
A. M. Scheffey & Co., New York.
Sherman Cycle Co., Chicago.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Spaulding & Pepper Co., Chicopee Falls, Mass.
E. C. Stearns & Co., Syracuse, N.Y.
Chas. J. Stebbins, New York.
L. Straus & Sons, New York.
Supplee Hardware Co., Philadelphia.
Ralph Temple Cycle Co., Chicago.
Tinsham Cycle Co., New York.
Trenton Watch Co., Trenton, N. J.
Union Nut & Bolt Co., New York.
United States Mfg. Co., Fond du Lac, Wis.
Western Wheel Works, New York and Chicago.
Vost Mfg. Co., Toledo, Ohio.
Zenith Cycle Co., Binghamton, N. Y.

Bicycle Step Ladders.
Bicycle Step Ladder Co. Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.

Blast Borges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blind Hinges.
Clark Mfg. Co., Buffalo, N. Y.

Blocks, Tackle.
See Tackle Blocks.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

Brass, Manufacturers.
Waterbury Brass Co., New York

Brass, Perforated.
Harrington & King Perforating Co., Chicago.

Bridges, etc.
Berlin Iron Bridge Co., East Berlin, Conn.

Buffing Wheels
Divine Bros., Utica, N. Y.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Calipers.
Darling Brown & Sharpe, Providence, R. I.

Carpet Stretchers.
Richard W. Montrose, Galien, Mich

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich.; New York.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

Cement.
A. Major Cement Co., New York.
New York Belting & Packing Co., Ltd., New York.

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

Chucks.
George W. Church, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Clay Screens.
Harrington & King Perforating Co., Chicago.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clock Springs.
Wallace Barnes, Bristol, Conn.

Coal Screens.
Edward Darby & Sons, Phila., Pa.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.
Meriden Malleable Iron Co., Meriden, Conn.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Derby Razor Co., New York and Derby, Conn.
Alfred Field & Co., New York.
Goodell Co., Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
J. Wiss & Sons, Newark, N. J.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg. Co., New York.

Drills.
George W. Church, New York.
Cleveland Twist Drill Co., Cleveland, O.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Speidel & Roeper, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham & Co., New York.
J. Jones & Son, New York.
Partrick & Carter Co., Philadelphia, Pa.
Stanley & Patterson, New York
Union Electric Co., Cleveland, O.
Western Electric Co., Chicago and New York.

Elevators.
Energy Mfg. Co., Philadelphia.
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Paper.
George W. Church, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.
Sterling Emery Wheel Mfg. Co. Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Expert Agents.
John H. Graham & Co. New York.

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson, Ind.
George W. Church, New York.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N. Y., Chicago, Georgetown, Conn.
O. Hanika & Sons, Muncie, Ind.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gasoline Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.
Schneider & Trenkamp Co., Cleveland, Ohio.

Gate Hinges, Latches, etc.
Wrightsville Hardware Co., Wrightsville, Pa.

Gears.
T. F. Welch & Co., Boston.

Glass Cutters.
W. L. Barrett, Bristol, Conn.

Glue.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland,

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammocks.
Bruce R. Ware & Co., Boston.

Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.

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Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.
E. C. Stearns & Co., Syracuse, N.Y.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hardware Dealers, Agents, Etc.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Supplee Hardware Co., Philadelphia.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Diamond Cutlery Co., New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co., Hamilton, O.
T. W. Houchin, New York.
Klages & Co., New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
E. C. Stearns & Co., Syracuse, N.Y.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Clark Mfg. Co., Buffalo, N. Y.
C. Hanika & Sons, Muncie, Ind.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Nozzles.
Allentown Hardware Works, Allentown, Pa.
American Ball Nozzle Co., New York, San Francisco.

Hose Reels.
Toledo Metal Wheel Co., Toledo, Ohio.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Diamond Cutlery Co., New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lasts, Iron.
Brandenburg & Co., Chicago.
Root Bros. Co., Plymouth, O.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.

Lemon Squeezers.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co, Norwalk, Conn.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Athol Machine Co., Athol, Mass.
Miner & Peck Mfg. Co., New Haven, Ct.
Scranton & Co., New Haven, Conn.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.
T. F. Welch & Co., Boston.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
C. Hanika & Sons, Muncie, Ind.

Oilers.
Cushman & Denison, New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
Samuel L. Goodall Co., Philadelphia
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Leavett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
C. Hanika & Sons, Muncie, Ind.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.
Edward Darby & Sons, Philadelphia.

Rakes.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerators.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
Northern Refrigerator Co., Grand Rapids, Mich.

Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Repair Outfits.
Brandenburg & Co., Chicago.
Root Bros. Co., Plymouth, O.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
William N. Merriam, Boston.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Darling, Brown & Sharpe Providence, R. I.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia.

Sand Paper
Beeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Balances.
Gardner Sash Balance Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.
Bruce R. Ware & Co., Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind'
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Gilfillan Scale Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
C. Hanika & Sons, Muncie, Ind.

Screw Cutting Tools.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.

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Shade Lines.
Samson Cordage Works, Boston.

Shaft Coupling.
C. C. Bradley, Jr., Syracuse, N. Y.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Boxes.
C. P. Moore, Ravenswood, W. Va.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.
Wyoming Shovel Works, Wyoming, Pa.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Snow Shovels.
A. J. Phillips Co., Fenton Mich.

Solder.
Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.

Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.
Oster Mfg. Co., Cleveland, O.

Stoves.
Schneider & Trenkamp Co., Cleveland, Ohio.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co.' Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Cleveland Block Co., Cleveland, O.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.

Tapes.
Boston Tape Mfg. Co., Boston.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Holroyd & Co., Waterford, N. Y.

Telephones.
Union Electric Co., Cleveland, O.

Tinning.
C. H. Angus, Albany, N. Y.

Tin.
Bruce & Cook, New York.

Tin, Perforated.
Harrington & King Perforating Co., Chicago.

Tin-Plate.
Bruce & Cook, New York.

Tools.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Darling, Brown & Sharpe, Providence, R. I.
Samuel I. Goodall Co., Philadelphia.
Th. M. Hass, New York.
Holroyd & Co., Waterford, N. Y.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.

Traps.
W. S. Estey, New York.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Smith & Egge Mfg. Co., Bridgeport, Ct.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.

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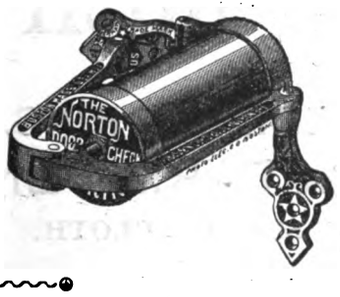
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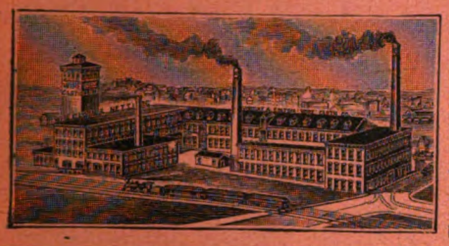
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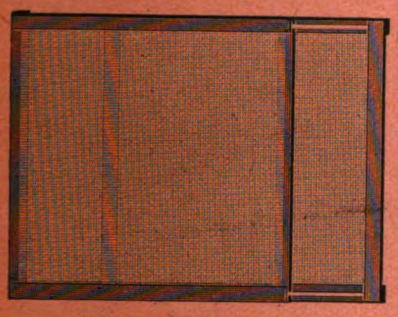
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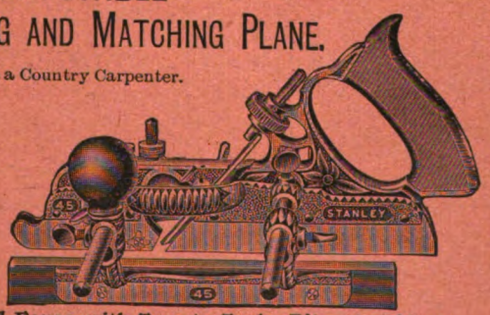
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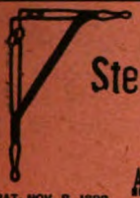
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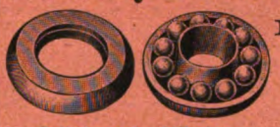


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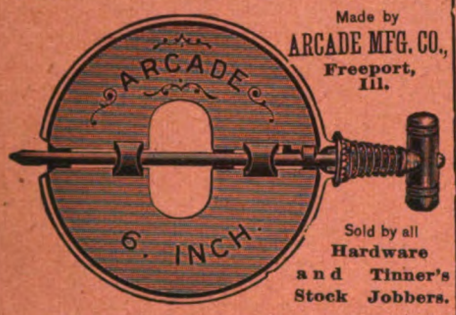
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Plain and Galvanized Wire.

BARB WIRE.

Wire Straightened and Cut to length.



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Dumbwaiters and Hoists.

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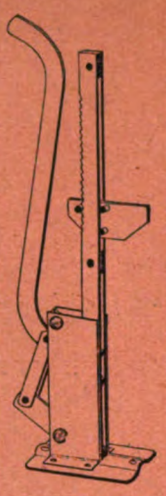
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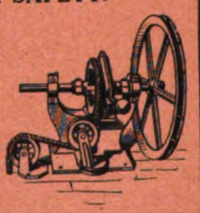
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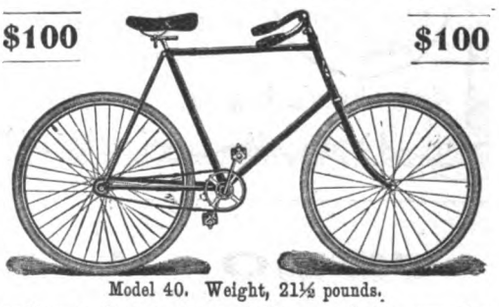
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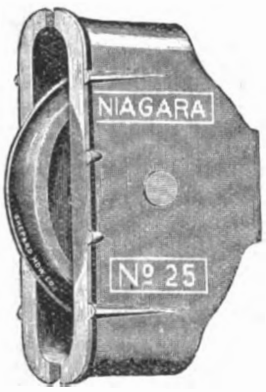
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HALL'S IMPROVED Pipe Wrench



It is Strong as well as Light in Weight.

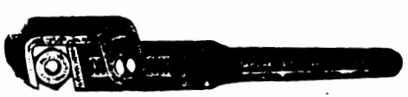
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It will Grip galvanized as well as other pipe.

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Of Every Description Adapted to Mechanical Purposes

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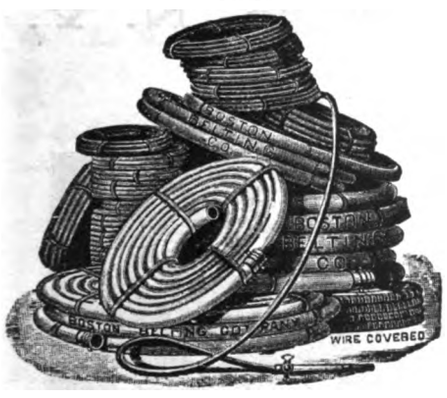
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L arge tubing.
I nterchangeable parts.
G raceful curves.
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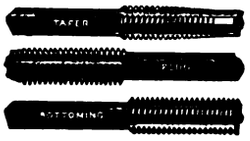
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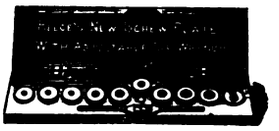
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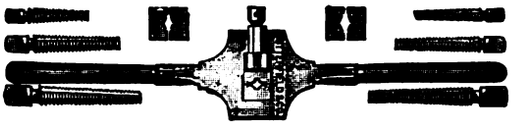
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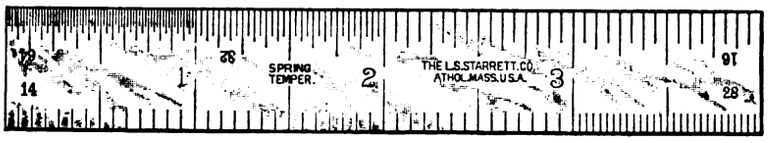
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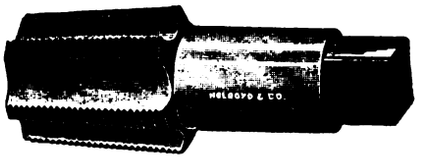
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AND OTHERS.

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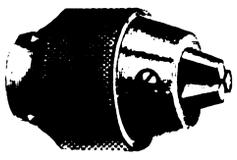
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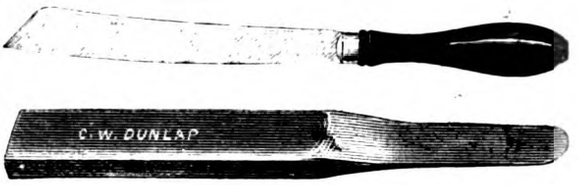
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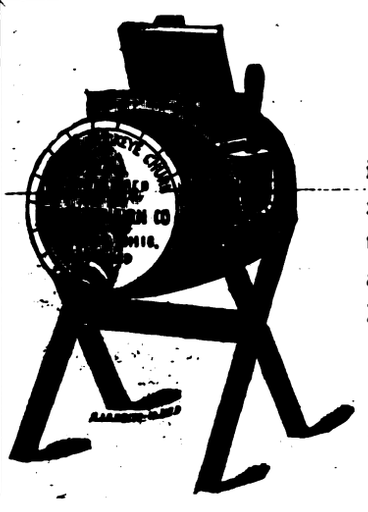
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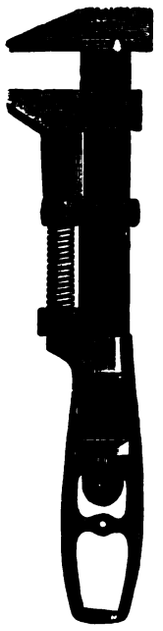
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Patented July 6, 1860.
Patented July 8, 1884.



Illustration: View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.



The Toledo Machine & Tool Co.,

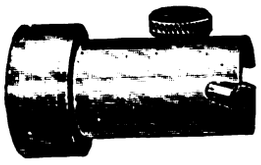
501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.

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Write for Circulars.

THE most durable, most practical and most satisfactory **NOZZLE** yet invented.
A simple, straight, open tube.

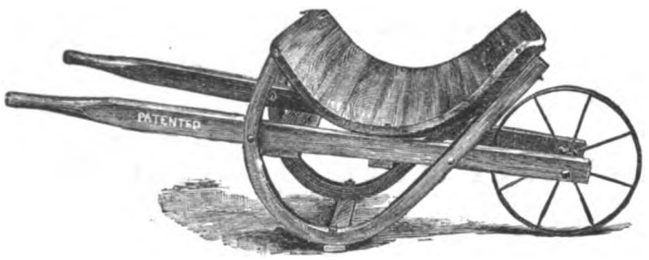
No Valve, No Ball, No NOISE.

Will spray from finest mist to coarsest rain, or throw solid stream.

Manufactured by the

H. F. Neumeyer Mfg. Co.,

Macungie, Pa., U. S. A.



Wheelbarrows

of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE **GREATEST ILLUMINATION.**

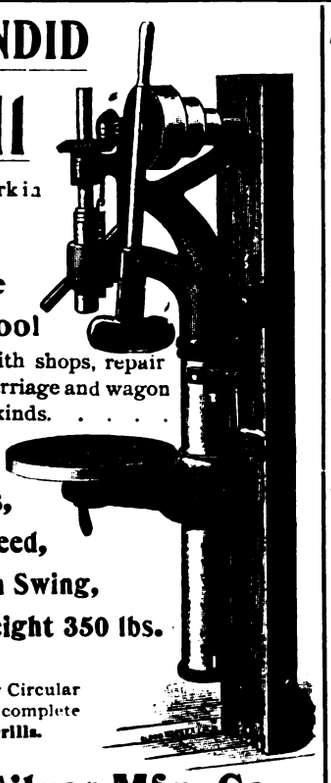
THE

AMERICAN WICK

Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light **DROPS.**

SPLENDID Drill



For light work in any machine shop.

Just the Tool

For blacksmith shops, repair shops and carriage and wagon shops of all kinds.

Has
Cut Gears,
Lever Feed,
19-inch Swing,
Weight 350 lbs.

Ask for New Circular which shows complete line of **Hand Drills.**

The Silver Mfg. Co.

SALEM, OHIO.

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

The Ball Nozzle for '96.

Prices Reduced for 1896.



No. 6 Lawn Sprinkler.
BALL NOZZLE for '96.

For LOW PRESSURE,
(Works under Five Pounds Pressure.)
HIGH PRESSURE,
ANY PRESSURE.

The Acme of Perfection of
LAWN SPRINKLERS.

Manufactured solely by the

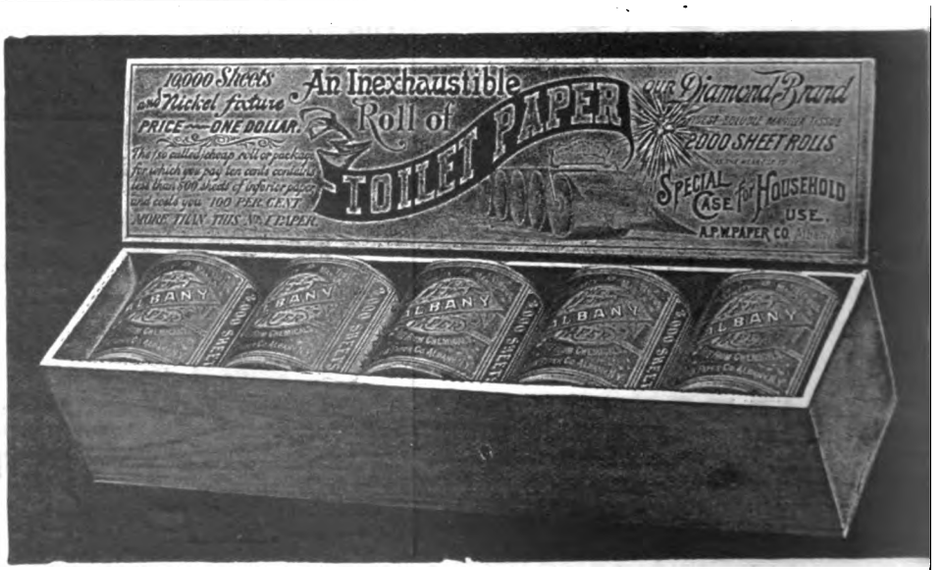
American Ball Nozzle Company,

837-847 Broadway, New York.

Write for Prices

BRANCH HOUSES:
421 Market St., San Francisco. 519 Marquette Building, Chicago.

SEND FOR CATALOGUE.



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Do You Desire

an article that every family would buy if they simply had their attention called to its merits? If you do, put in a stock of P & A's Banner Oil Stoves. See Cut.



No. 971, Heater Complete. Height, 27 inches.

Banner Oil Heater

SIMPLE, NOVEL and PRACTICAL.

Requires less care than the ordinary Lamp.

Will burn 8 to 10 hours and heat comfortably a room 15 to 20 feet square.

NO SMOKE! NO ODOR!

PERFECT COMBUSTION.

POINTS:

The Oil Fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking.

No Chimney. The drum of the **BANNER** in its construction acts as a chimney, saving the expense incident to the renewal of glass chimneys of other makes.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and ONLY ONE with feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness.

Lighting. It is not necessary to remove any part of the stove to light it. The sliding door in the drum is made for this purpose.

Draft. The round openings in the drum create great suction of cold air in addition to the regular draft. Double the radiating force of the ordinary stove is thus secured.

Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

*** SOLE MAKERS, ***

THE PLUME & ATWOOD MFG. CO.,

29 MURRAY ST., NEW YORK, U. S. A. 199 LAKE ST. CHICAGO.



The B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

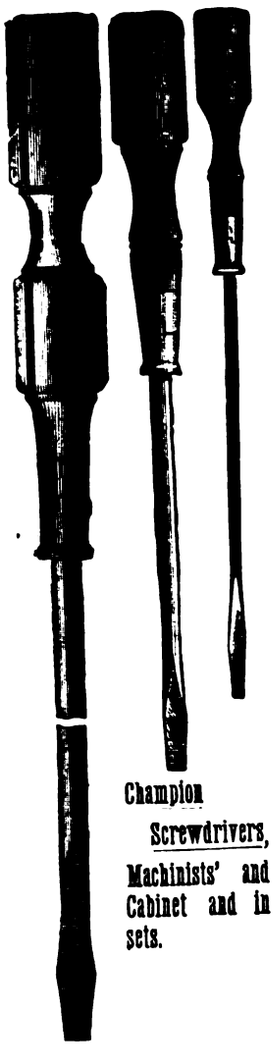
NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

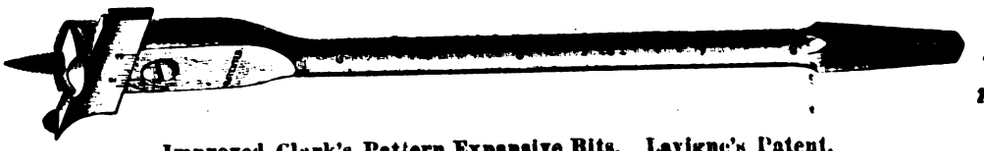


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Carpenters and Machinists' Tools.



Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





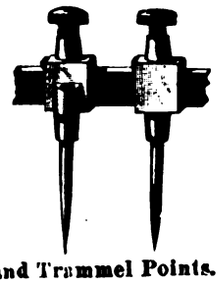
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



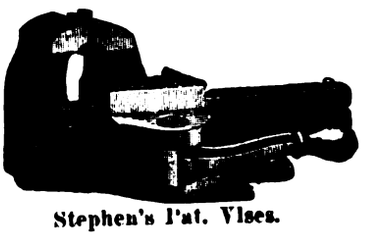


Plumb Bobs and Trammel Points.

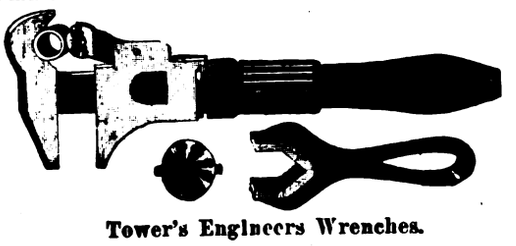




Mail Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON, NEW YORK.

95 Chambers and 77 Reade Streets,

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.

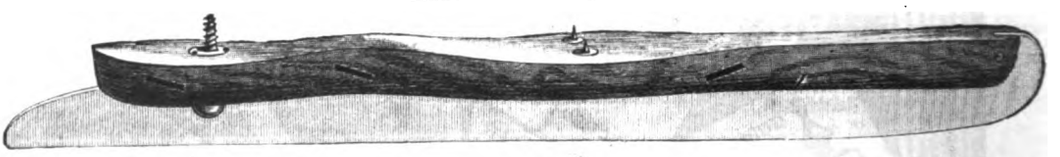


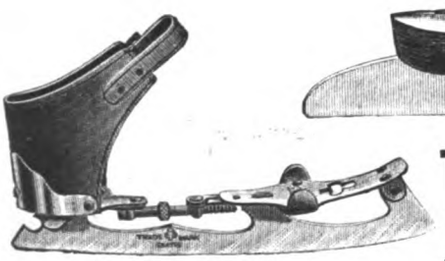
UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.

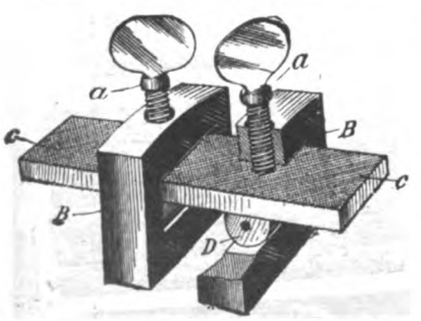




The Union Skate Sharpener

A New and Useful Article

Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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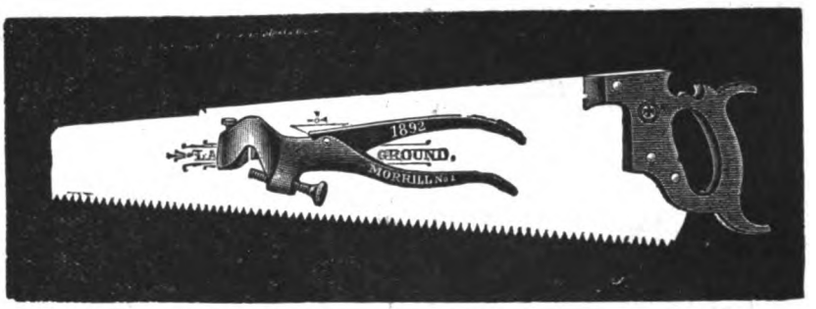
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?

WE FURNISH COMPLETE OUTFITS,

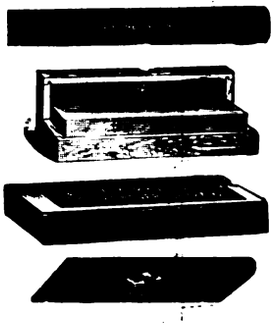
THE HANSON & VAN WINKLE CO.,

CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

SHARP TOOLS are a NECESSITY to a good workman,
But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.
GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
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Oil and Water Stones.
WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



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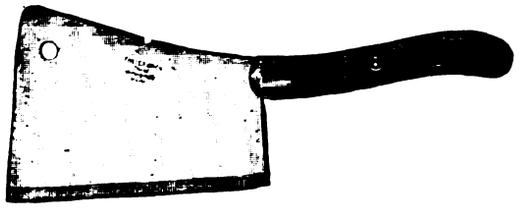
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—AND—

BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

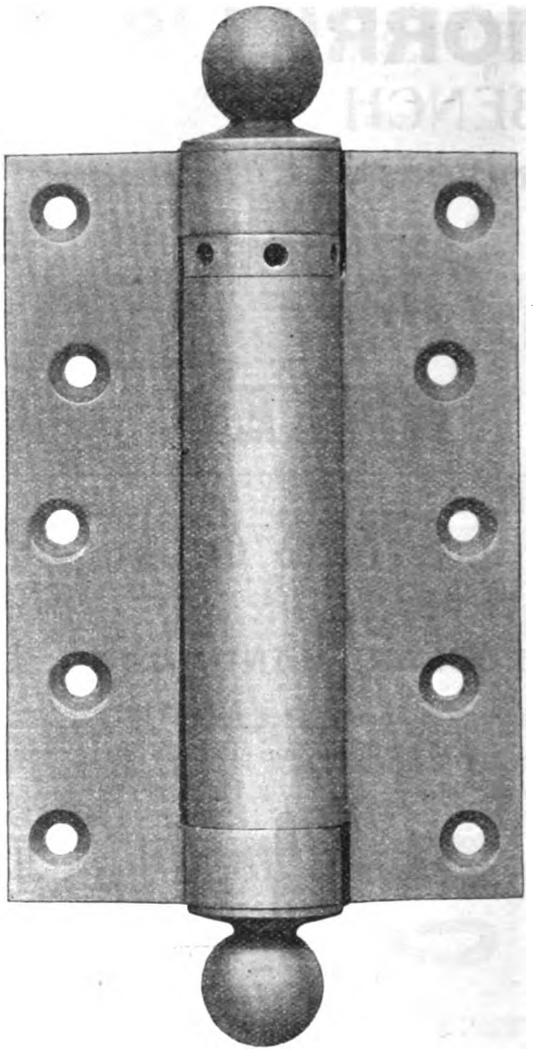
BUTCHERS' CUTLERY





JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



NORWALK LOCK CO.,

Manufacturers of

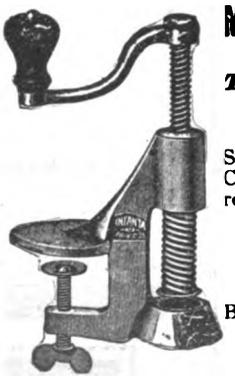
Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

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New York, 82 Chambers St. Boston, 300 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)



MERIDEN MALLEABLE IRON CO.,

SOLE MANUFACTURERS OF

THE INFANTA CORK PULLER

Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

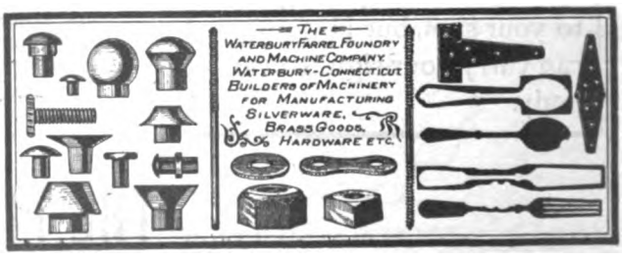
THE RAPID CORK PULLER

—AND—

RAPID LEMON SQUEEZER.

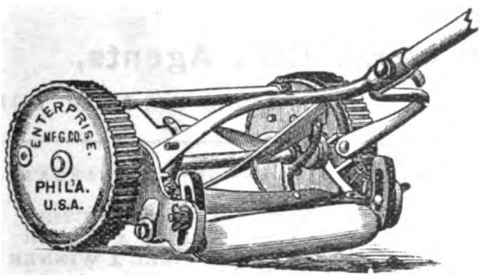
Best in the market. Send for circulars and prices.

MERIDEN, CONN., U. S. A.



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. . . LAWN . . .
Mowers ✣ Sprinklers



Painted or ☞ Tinned. ☜
7, 9, 11, 13 or 15 Inches.

THEY ARE EQUAL, IF NOT SUPERIOR, TO ANY IN THE MARKET.



No. 1, - - - Price, $3.50.
No. 2, - - - " 2.75.

Catalogue For The Asking.

The Trade Sells Them.

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The Sterling Emery Wheel Mfg. Co.,
Tiffin, O.

EASTERN AGENT:

L. BEST,
45 Vesey Street,
New York.

CUTTER, WOOD & STEVENS,
131 Pearl Street,
Boston



MANUFACTURERS OF

Emery
AND
Corundum Wheels.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

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- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

CONSOLIDATED 1891.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

Samuel W. Allerton, Prest.
C. C. Clarke, Sec'y & Treas.
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THE ARCADE FILE WORKS.

WEED'S IMPROVED CUT
GUARANTEE SEAL
ALL FILES ARE FULLY GUARANTEED
SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

New York. Chicago.

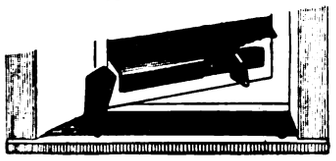
ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 83 Reade St., NEW YORK

AXTELL WEATHER STRIP

IS NO EXPERIMENT, SOLD TO THOUSANDS WHO HAVE HAD OTHERS REMOVED AND THE AXTELL APPLIED.

Over a million applied. Never out of season.



Wholly **STEEL,** will not warp or split.
Has no **WOOD** or **SPRINGS** to break.
No **RUBBER** to harden and pull out.
DOES NOT spring the door, but **keeps it STRAIGHT** and true. Not affected by ice, cannot be **FROZEN** down or pulled apart.
We **WARRANT** it to combine every excellent point needed for a perfect strip, and invite your correspondence in regard to it.

E. I. CHURCH & CO.,
West Hanover, Mass.

The Bradley Shaft-Coupling

The only real quick shifting, anti-rattling coupling ever put together. Complete in itself and always ready.

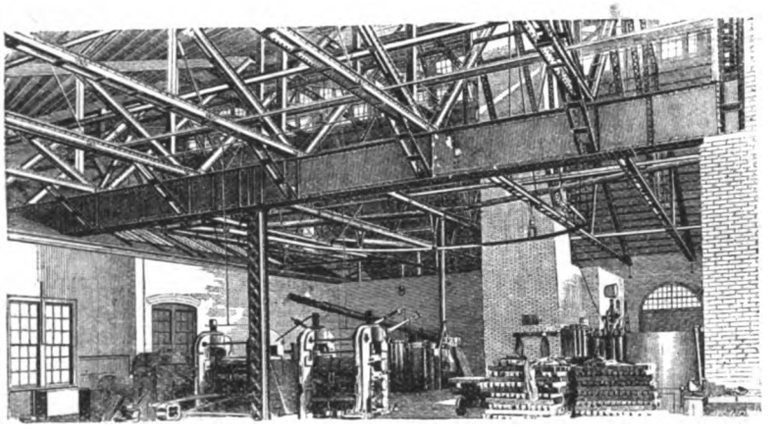
No Bolts, No Nuts, No Screws, No Rubbers, No Wrench, No Rattle. Over 20,000 pairs in use. 12,000 pairs sold in 1895.

Send for Circular and Price List.

C. C. BRADLEY, Jr.,
SYRACUSE, N. Y.

WIN A BUYER
BUY A SELLER
SELL A WINNER



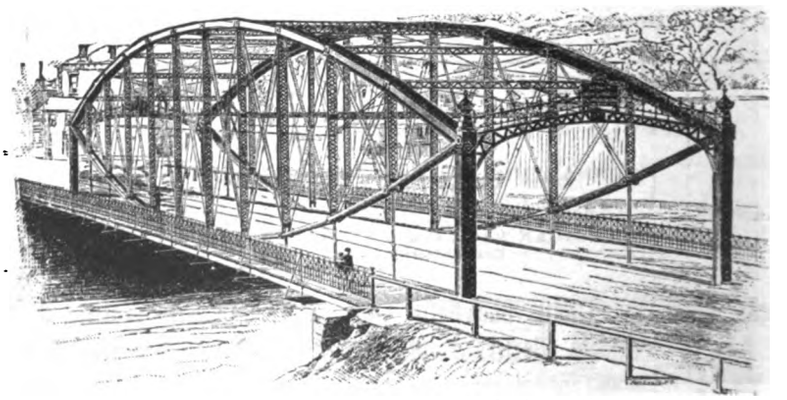


The above illustration is taken direct from a photograph, and shows the construction of an Iron Truss Roof designed and built by us for the Ansonia Brass & Copper Co., at Ansonia, Conn. The photograph was taken in the corner showing the connection between two separate buildings—the iron roof trusses being supported by girders and columns.

THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders of Iron and Steel Buildings, Roofs, Bridges, etc., etc.

Send for Illustrated Catalogue.



The above illustration, taken direct from a photograph, shows the construction of a Parabolic Truss Bridge designed and built by us at Waterbury, Conn. The bridge consists of one span of 175 feet, with a roadway 27 feet wide in the clear, and two sidewalks each 6 feet wide, clear

Office and Works, East Berlin, Conn.

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We **SOLD** in the year 1895

35% MORE FILES AND RASPS

THAN IN ANY PREVIOUS YEAR OF OUR HISTORY.

THIS DOES NOT INCLUDE OUR NEW

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BETTER RECOMMENDATION?

IF SO,

TRY OUR FILES,

THEY ARE THE BEST.

SEND FOR CATALOGUE. 450 ILLUSTRATIONS.

MENTION THIS PAPER.

PROVIDENCE, R. I.

DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our 1895 Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.

CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.

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POSITIVE SECURITY

against sneak thievery by the use of

Shepardson's Key-Hole and Baggage Guard,

Sample by mail 75 cents. Illustrated circular and price list sent on application.

KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

We insist on the quality.
We make only the best



Sand Papers in Sheets and Roll
- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

M.A. FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & CO

700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
149 MILK STREET, BOSTON.
109 LAKE STREET, CHICAGO.

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The SMITH & EGGE MANUFACTURING CO.,

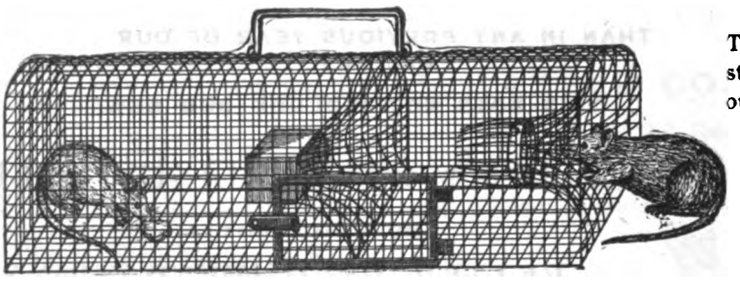
BRIDGEPORT. CONN.

MANUFACTURERS OF

"YANKEE" RAT AND MOUSE TRAPS

The most Ingenious and Effective Traps ever made.

Surest,
Safest.
Cleanest.



These Traps are well and strongly made, and thoroughly galvanized.

All TRAPS carefully packed and shipped in strong crates.

"GIANT" PADLOCKS. BICYCLE LOCKS.

"GIANT" METAL SASH CHAIN,
"RED METAL" and STEEL CHAINS.
SASH PULLEYS In IRON and BRONZE.

PLUMBERS' CHAINS.
PLUMBERS' TANK PULLS.

PIPE STRAPS, S HOOKS,
AND SPLIT LINKS.

Sole Manufacturers of the

Send for Illustrated Catalogue.

"EUREKA" PATENT SHEAR.

Patented Nov. 1st, 1881. A useful and cheap tool for cutting rods and strip metal.



Phillips Screens

FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

The A. J. Phillips Co., Fenton, Mich.



The "Toledo"
STEEL HOSE REELS

Will not swell or shrink.
Price is low.
Best and Cheapest Reel on the market.

Quotations on application.

The Toledo Metal Wheel Co.,
Toledo, Ohio.



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HARDWARE

VOL. XII. FEBRUARY 25, 1896. NO. 10.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 109 NEAVE BUILDING.
DETROIT, - - - No. 10 PENINSULAR BANK BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS
LARGER THAN THAT OF ANY OTHER
PAPER IN THE UNITED STATES
DEVOTED TO THE HARDWARE TRADE.

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WE GUARANTEE THAT THE CIRCULATION OF
"HARDWARE" DURING 1896 WILL EXCEED

ONE HUNDRED AND TWENTY THOUSAND

AND THE SAME WILL BE PROVEN BY THE
PUBLICATION ON THIS PAGE, IN EACH ISSUE,
OF THE POST OFFICE RECEIPTS FOR COPIES
MAILED THE PRECEDING ISSUE.

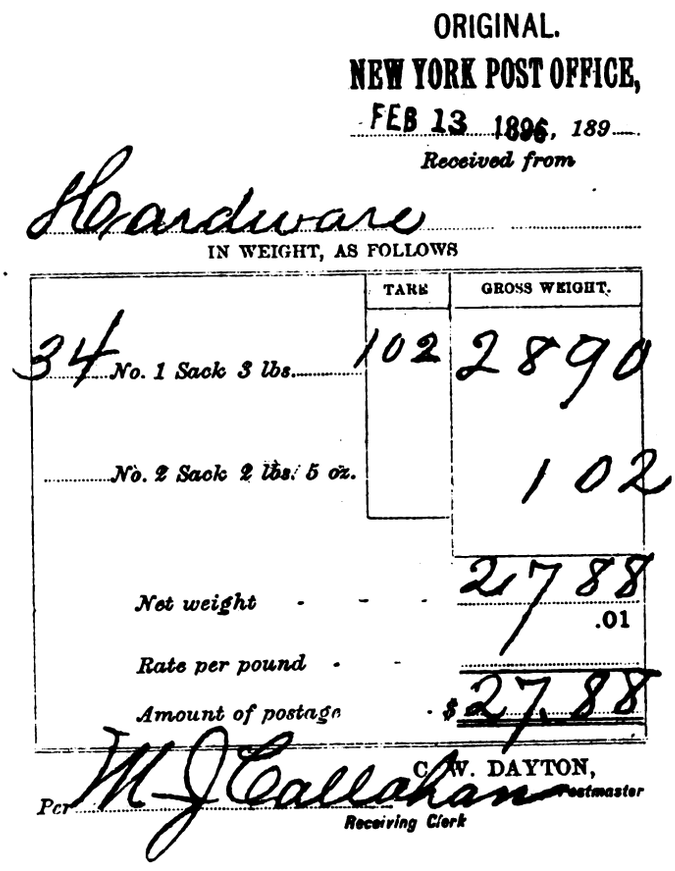
A correspondent elsewhere suggests a very happy and philosophical solution of all business difficulties. He believes that affairs will revive if people will say to themselves that confidence is restored; and that in thus saying, it will be restored. In other words, to borrow a telling phrase from the past, "the way to resume is to resume." The history of the world shows that there is a great deal of wisdom in this suggestion. Faith in each other, and in the resources of the country, will count for a great deal just now.

The Hardwareman who does not at least once in each year, sit down at a dinner like that of Thursday night last, does not fully know how much there is in life to live for.

America is getting ready to supply the munitions of war to the whole world. The recent combination means a new hold on the foreign gun and ammunition markets.

"Hardware's" Circulation February 10th.

The following shows the output of *Hardwares* for February 10, 1896:



ORIGINAL.

NEW YORK POST OFFICE,

FEB 13 1896, 189...

Received from

Hardware

IN WEIGHT, AS FOLLOWS

	TARE	GROSS WEIGHT.
34 No. 1 Sack 3 lbs.	102	2890
No. 2 Sack 2 lbs. 5 oz.		102
Net weight		2788
Rate per pound		.01
Amount of postage		$27.88

C. W. DAYTON, Postmaster

Per M. J. Callahan Receiving Clerk

There were mailed, therefore, at the New York post-office, 2788 pounds of *Hardwares*.

2788 × 16 = 44,508
44,508 ÷ 9½ = 4685
4685 + 692 = 5377

The 2788 pounds reduced to ounces, and divided by the weight of one copy, gives a total of 4685 *Hardwares*. Add to this 629 copies delivered by carrier, held for office use, and prepaid by stamps, and we have a total of 5377 as our issue for February 10, 1896.

All real, *bona fide* trade journals will rejoice at the growing custom among advertisers, of carefully scrutinizing the circulation claims that so many would-be journals are putting forth, with a lavish disregard of details, and a careful suppression of figures. A journal that honestly proves a *bona fide* circulation of five hundred, has more claim to recognition than one that shouts that it has five times that much—and takes it out in shouting.

Figures like those found in the table above furnish a bed-rock of confidence upon which an advertiser can rest. They show just how many copies of a journal were printed on a certain date, and where those copies went.

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There is no airy generalization about them, that leaves the would-be advertiser in doubt as to what he is getting; the word of "Uncle Sam" is back of them—and when that word comes in the shape recorded above, it can be depended upon.

Ohio Hardware Association.

The annual meeting of the Ohio Hardware Association was held at Dayton, Ohio, on Wednesday, Feb. 12th. The business session was of unusual interest, and the subjects discussed were disposed of with satisfactory results, which will prove of benefit to retail trade of the State. The subjects we e:

"The proper relations between Manufacturers, Jobbers and Retailers." "Local Associations."

A great number of communications from all parts of the State were read, which proved without a doubt that the Association was appreciated, and its principles indorsed by the retailers of the State.

The following officers were chosen for the year 1896: President, J. P. Duffy, Greenville, O.; Vice-President, M. B. Talmage, Mt. Gilead, O.; Secretary and Treasurer, J. F. Baker, Dayton, O.; Members of the Executive Committee, E. F. Stone, Urbana, O.; Theodore Butler, Akron, O.

The next meeting will be held on the last Wednesday of February, 1897. The Executive Committee were empowered to take up grievances of the members, to investigate them, and requested to notify the members, through the secretary, if satisfactory adjustment of the grievance could not be made. A button-hole badge was adapted for the members of the Association. An application blank will be mailed to those who are not members of the Association. A resolution was adopted endorsing the action of all the manufacturers and jobbers who have abandoned the custom of charging for package and cartage, heretofore prevailing. A motion prevailed to urge upon the manufacturers the importance of changing the nail card, by making 2d nails the base size.

The social features of the evening were most enjoyable. For the banquet following the business session a very neat menu had been prepared. The tables were decorated with the choicest flowers, and the retiring president, T. J. Morris, of the W. K. Boone Co., Lima, O., proved to be a most experienced and eloquent toast-master. The first Toast "Reminiscences of the Hardware Trade," was responded to by ex-Lieutenant Governor W. V. Marquis, president of the Marquis Hardware Co., Bellefontaine, O., whose masterly command of language and vast experience through a long busy business and public career found expression in words which will never be forgotten by those present. The second toast was "Our Association," responded to by John F. Baker, of Dayton, O., the newly-elected secretary. His genial ways and his treasure of stories, came at once to the front, and brought his audience into that happy frame of mind, which only the wit and magnetism of a genial after-dinner speech can produce. "Hardwareman's Influence upon the Development of the Country," was responded to by Thos. H. Jones, of the W. K. Boone Co., Lima, O. This was a fine effort of a Hardwareman, who notwithstanding the long and weary life spent in the Hardware business, has kept his heart free and his soul open to the higher impulses of life. R. B. Durain, the genial representative of Lowe Bros., manufacturers of paints, of Dayton, O., who entertained the visiting Hardwaremen while in Dayton, in the most lavish manner at the magnificent club house of Dayton, then spoke for the "Travelling Man," whose path is full of thorns, and who deserves the Hardwareman's most considerate treatment. Mr. Durain endeared himself to every member of the Association while in the "Gem City," and the Lowe Bros. were given a vote of thanks for their liberal entertainment of the members.

Impromptu remarks of other members followed, among which the remarks of J. P. Duffy, the new president, were of special interest, and at a very late hour the happy visitors separated.

An electric car had been provided for by the Dayton members of the Association the next morning, which took the members to the Soldiers' Home, and all over the city, also to the National Cash Register Co. The officers of the National Cash Register Co. then took charge of the delegation, showing them through their mammoth factory, after which a fine lunch was provided by them. Their kindness will never be forgotten by the members. As Theodore Butler, late secretary, well said: "The friendships formed, the information gained, the rest enjoyed, the good work of the Association strengthened, what more could we ask for as a result of a day's cessation of daily business cares—new friends, new impulses, a broader field, a longer life. Hurrah for Dayton!"

Marten Doscher to the Trade.

Marten Doscher, under date of February 1, 1896, and Saugatuck, Conn., makes the following announcement: "To the Trade: Having discontinued my New York office, I respectfully solicit orders for the goods I manufacture, through my agents, Messrs. Underhill, Clinch & Co., No. 94 Chambers Street, New York, who will carry in stock a full line of regular goods. Their prices will be the same as at the factory. Orders for goods not carried in their stock will be sent to the factory for execution and will be filled with the least possible delay. I would be pleased to estimate on special turnings in any kind of wood."

The lines made by the Saugatuck Mallet & Handle Works comprise caulking, stone cutter, carpenter, carver, boiler maker, gavel mallets; hawsing beetles, fids, ring mauls, cooper drivers, plumber dressers, turn pins, drift plugs, police clubs, oyster blocks, cobble and Belgium stone rammers, leather head chisel handles, extra grades of all kinds of handles, and hand made bench and moulding planes.

Their New Wheelbarrows.

The Bryan Mfg. Co., Bryan, O., have issued a striking and attractive sheet, containing a price list of their well known Champion Wheelbarrows, and filled with illustrated descriptions of the same. Especial attention is paid to their new Champion No, 77, made from one solid sheet of No. 20 steel, without cut or rivet, and their Champion No. 36, made for mortar, cement, ashes, coal, or the barn, and with tray made of No. 16 steel. It is explained that these are especially appreciated by the trade, and "meet with large sales wherever shown." They add that their Nos. 10, 11 and 20 are going into every state of the Union, and are being exported in large quantities, their folding features making them very easy to handle. A great many other wheelbarrows are also shown in their leaflet, which will be sent on application.

The Stollberg & Clapp Hardware Co., Toledo, Ohio, gave a complimentary banquet to some forty of their employes some evenings since. The party, after partaking of the good things to eat and drink, resolved itself into a social session, during which many apt speeches were made. This is an indication that labor and capital work well in double harness in this prosperous establishment.

The annual meeting of the American Screw Co., was held some days since, at Providence, R. I. The old board of officers were re-elected, with the exception that James Tillinghast was made a director to fill the vacancy caused by the death of Bailey W. Evans.

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Michigan Hardware Association.

The first semi-annual meeting of the Michigan Hardwaremen Association was held in Saginaw, Mich., on February 12th and 13th, the Bancroft House being the headquarters of the association. The meetings were well attended, the following firms and others being represented: Abel Phillips & Co., Allegan; Richards Bros., Au Sable; Chas. F. Bock & Son, Battle Creek; L. B. Brockett & Son, Battle Creek; Wattles & Robinson, Battle Creek; McDonnell Hardware Co., Bay City: the Jennison Hardware Co., Bay City; Rechlin & Frank, Bay City; F. C. Goddeyne, Bay City; W. C. Grisdale & Co., Bay City; Martin & Cheever, Bay City; Miller Hardware Co., Bay City; T. Frank Ireland, Belding; the Carlton Hardware Co., Calumet; H. C. French, Cassopolis; Munger & Jennings, Charlotte; Chas. E. Whitaker, Chelsea; Jeffers Bros., 1470 Woodward Ave., Detroit: Henry C. Weber & Co., Detroit; A. Lemke, 815 St. Aubin Ave., Detroit; Chas. A. Strelinger & Co., Detroit; Casper Gnau & Co., 185 Gratiot Ave., Detroit; Pettit, Minnie & Co., Eaton Rapids; E. F. Knapp, Eaton Rapids; E. Olson, Escanaba; W. W. Oliver, Escanaba; Foster, Stevens & Co,, Grand Rapids: Kanters Bros., Holland; H. B. Webber, Ionia; O. H. Heath & Son, Ithaca; the John W. Jochim Co., Ltd,, Ishpeming; Barnard, Smith & Co., Jackson; Henrick & Conestock, Jackson; Leeser & Lehr, Jackson; the Edwards & Chamberlin Co., Kalamazoo; Joseph Pierce, Lake Linden; W. T. Hebbard, Lansing; R. R. Williams, L'Anse; the Burgan Hardware Co., Lawrien; Zimmerman Bros., Marine City; Scott Bros. & De Lisle, Marine City; Manhard Joplin Co., Ltd., Marquette; Menominee Hardware Co., Menominee; J. H. Whitney, Merrill; M. R. Manhard & Co., Newberry; Burton Nye, New Haven; Price & Smith, North Lansing: S. L. Boyce & Son, Port Huron; J. B. Sperry, Port Huron; Morley Bros., Saginaw; Popp & Wolf, Saginaw; Saginaw Hardware Co., Saginaw; Wood & Thonen, Sault Ste. Marie; Ferguson Hardware Co.. Sault Ste. Marie; P. M. Church & Co., Sault Ste. Marie; G. T. Gready, South Lyons; McDonald Bros., South Lake Linden; McArthur Bros. & Co., St. Ignace; H. P. Everett, Stockbridge; A. R. Barrett, Union City; George L. Mosher, West Bay City; Mohr & Staudacher, West Bay City; G.W. Bloodgood, Wyandotte; Buhl Sons & Co., Detroit; Fletcher Hardware Co., Detroit; Freeman, Delamater & Co., Detroit; Standart Bros., Detroit; R. C. Bialy, Bay City; M. Kinney, Bay City; South Bay City Hardware Co., Bay City; H. W. Webber, West Bay City; E. Jochen, Saginaw; Solms Bros., Saginaw; J. C. Smith, Saginaw; Geo. Walz & Co., Saginaw; Harry Shook, Pinconning.

The programme arranged for the meeting was as follows:

Wednesday, Feb. 12. Afternoon session—2 o'clock.—1. Roll call. 2. Selecting committee on credentials. 3. Recess of 30 minutes. 4. Reading of minutes. 5. President's address. 6. Report of the secretary and treasurer. 7. Adjournment. Evening session—7.30 o'clock.—1. Paper—"The Best Method of Creating and Maintaining Harmony Between Local Dealers"—Mr. Henry C. Weber, Detroit. 2. Discussion.

Thursday, Feb. 13. Morning session, 9 o'clock.—Paper, "Present methods of making net profits now, as compared to 20 years ago"—Mr. Mr. T. A. Harvey, Saginaw; discussion; paper—"How to overcome competition in the sale of inferior goods by irresponsible dealers"—Mr. T. Frank Ireland, Belding; discussion. Afternoon session, 2 o'clock—Paper, "The retailer, the jobber and the traveling man," Mr. Edward A. Moye, Marquette; paper, "The traveling man's view of it," Mr. Albion F. Wixon, Marquette. Discussion.

On Thursday evening a complimentary banquet was tendered to the association by Morley Bros., at the East Saginaw Club, nearly 200 guests being present. The tables were tastefully decorated with palms and flowers. A steel rule souvenir menu was given with the compliments of the Lufkin Rule Co., a facsimile of which we reproduce:



T. A. Harvey acted as toastmaster. The first speaker, J. H. Whitney, responded to the toast of "Legislation and Legislators." He was followed by Sydney F. Stevens, on "Friendly Relations." J. M. Thurber responded to "Credits." Frederick Buck, of the Lufkin Rule Co., spoke on "Golden and Other Rules." John Freeman responded briefly to the toast of "Road Experiences." H. W. Webber and H. C. Weber also spoke.

The Hardware Club.

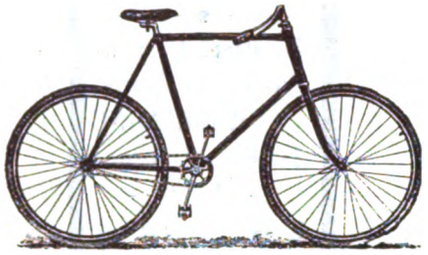
The following gentlemen have been unanimously elected members of the New York Hardware Club since our last report:

Carson C. Peck, No. 280 Broadway.
Wm. B. Paulscraft, No. 107 Chambers Street.
Christopher Richardson, Newark, N. J.
Vincent P. Travers, No. 107 Duane Street.
John M. Borbes, No. 287 Broadway.
C. W. A. Hammacher, No. 267 West Broadway.
Henry B. Speed, Chicago, Ill.
F. C. Wood, St. Louis, Mo.
Geo. B. Jones, No. 15 Warren Street.
Maybury Fleming, No. 203 Broadway.
Joseph McKee, No. 175 Grand Street.
Charles M. Sprague, No. 253 Broadway.
John Carnrick, No. 426 South Fifth Avenue.
George P. Rowell, No. 10 Spruce Street.
Noah C. Rogers, No. 111 Broadway.

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Monarch Models for 1896.

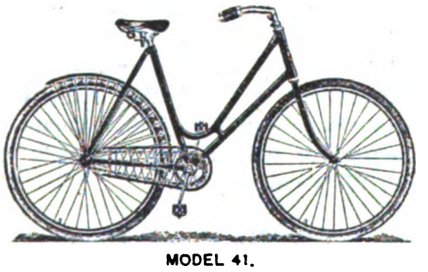
The illustrations given here represent two of the models offered by the Monarch Cycle Mfg. Co. for the season of 1896. The wheels are described as follows: "Model 20—Monarch 24-inch Diamond Frame. Mannesmann inch tubing for main top, seat mast and main lower tubes, with ⅝-inch tubes for rear forks and stays. 10-inch head, with 1¼-inch tubing. 28-inch wheels. Detachable sprockets, front and rear. Plymouth rims. Humber pattern chain. Monarch patented crank shaft bearings. Detachable, round, tapered cranks, 6½-inch throw. Width of tread, 5¾ inches. Tubular L seat post, with solid steel top bar. Cold swaged, double butted steel tangent spokes, tied, with 28 to front and 32 to rear wheel. Monarch rat-trap pedals. Garford T saddle. 66½-inch gear. Monarch drop handle bars 13-16-inch. Cork handles, and black tips. New York



MODEL 20.

1⅝-inch tires. Weight, 22 pounds. Black tool bag, with pump, wrench, screwdriver, oil can and repair kit. Finish black enamel, with nickeled parts and spokes. Options.—No. 77 Hartford single tube, or M. & W. quick repair tires. Monarch rubber pedals. Hunt saddle. Gear 68 or 72. Weight, 22 pounds. Price, $80."

"Model 41—Monarch 22-inch double-drop frame. Seat mast, upper and lower drop main tubing, 1⅛-inch Mannesmann, with rear stays and forks ¾-inch. Head, 10-inch ball bearing with 1¼-inch tubing. 28-inch wheels. Detachable sprocket wheels, front and rear. Barrel hubs. Built up wood rims, fitted with nickel-plated eyelets in spoke holes and finished in mahogany. Humber pattern chain. Monarch patent crank shaft bearings. Detachable, round, tapered cranks, 6-inch throw. Width of tread, 5⅛ inches. L seat post. Cold swaged double-butted steel tangent spokes, tied, with 32 to front and 36 rear. Brandenburg rubber pedals. Hunt spring handle. 62-inch



MODEL 41.

gear. Monarch raised handle bar, 13-16-inch. Cork handles and white tips. M. & W. 1⅝-inch quick repair tires. Weight, 22 pounds. Black tool bag, with pump, wrench, screwdriver, oil can and repair kit. Finish, Brewster green enamel, handsomely striped with nickel parts and spokes. Options.—New York, Palmer, Dunlop, No. 80 Hartford single tube tires. Monarch rubber pedals. Garford saddle. Weight, 22 pounds. Price, $100."

A Big Bicycle Business.

The Acme Bicycle Mfg. Co., Reading, Pa., have purchased a large piece of land, and will at once begin the erection of one of the largest bicycle factories in the country. The property covers an entire block, and entrance can be obtained from any of the four sides. The price paid was $28,000. For some time the present quarters of the company have been too small, even in the face of the fact that for a long time the plant has been running twenty-four hours every day. The force of employes has been increased from time to time until at present 200 men are on the pay roll. The present output is from 75 to 100 "Stormer" machines every day. Plans have been prepared for two buildings, each 190 by 40 feet. In addition to this there will be a third building 40 by 100 feet, connecting the two main entrances. Each of them will be four stories in height, in addition to a basement. The cost of the new plant will exceed $150,000. Work will be pushed and it is the intention of the company to get into the new headquarters by July 1, if possible. All the structures will be of brick. Two railroad sidings will run into the buildings, which will give perfect shipping facilities. The company was organized and went into business in 1893 and has been very successful. So far it has turned out over 25,000 machines, which have always found a ready sale.

Their New Officers.

The members of the New England Hardware Dealers' Association met at the United States Hotel, Boston, Mass., some evenings since and enjoyed their annual banquet, presided over by president H. G. Janvrin. After the dinner informal remarks on trade subjects were made. During the evening balloting was had for new officers for the ensuing year, with the following result: President, D. Fletcher Barber, Boston; first vice president, Edward A. Loomis, Providence, R. I.; second vice president, George W. Burditt, Cambridgeport; third vice president, Austin Whitcomb, Beverly; secretary, James A. Farless, Boston; treasurer, James L. Work, Boston; directors, Fred. W. Kidd, Lawrence; William N. Irving, Boston; James A. Cook, South Boston; J. H. Sayward, Haverhill; W. E. Cutler, Boston, and Alfred D. Wolf, New Bedford.

Working at the Rays.

Among the most important investigations which are being conducted with a view of determining the value of the Roentgen rays, are those made by Chas. M. Scribner, of the Western Electric Co., in their laboratory at Chicago. "I am particularly interested," said Mr. Scribner to the representative of *Hardware*, "in ascertaining the worth of the process considered from an industrial standpoint. If I can be able to say to my company: 'this shaft has a flaw in it,' or 'the composition of that metal is imperfect,' my work will be of a value scarcely to be estimated. This will, I believe, soon be determined. Every day some new development is recorded. The first plate I made was so inferior to those sent me from Germany that I concluded the German photographs had been retouched. After three days, however, I had made as good photographs as any of those imported."

Jno. W. Bell & Co., Mercer, Pa., have just issued a new circular and price list of the Bell Eave Trough Hanger. This Hanger has been in the market for the past ten years, and has proved a favorite not only with the tinner, but with the jobber as well. It is made of one piece of heavy steel wire, galvanized, and is strong and durable, and it is claimed a trough can be hung by its use, in less time, and without the aid of a helper, than with the others. The sharp, stiff point of the roof-piece, it is claimed, can be utilized for holding the trough in place temporaily, while it is being hung and adjusted permanently. The Hangers are sold to the tinners chiefly through the jobbing trade. A cut of the Hanger is shown in the firm's advertisement in this issue, and they offer to mail a sample of any desired size, free on application.

The records of the Patent Office show that during the last quarter of a century 2388 styles of velocipedes have been patented.

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How To Use Plumbago Crucibles.

The following valuable information for all who use plumbago crucibles is from the pen of John A. Walker, vice-president of the Joseph Dixon Crucible Co., Jersey City, N. J., who is certainly competent to speak with authority upon that theme:

I have in a previous article called attention to two good points in the use of crucibles, and in the way of a preface will here briefly recapitulate. The first is a proper annealing, about which the Dixon Co. advises as follows: Every Dixon crucible is annealed before leaving our works. All dry crucibles, however, are liable to absorb moisture in going from our shop to yours. On arrival at your works they should be immediately unpacked and stored in a warm, dry place to dry out any moisture possibly absorbed in transit, and to keep them from taking up further dampness. Then to provide against possible accident it is wise to re-anneal.

Before being placed in a hot furnace the temperature of a crucible should in every instance, in the re-annealing, be slowly raised to at least 212 degrees Fahrenheit, or even a little above the temperature of boiling water. This will remove all moisture. Any time a press of work compels you to use our crucibles immediately on arrival, and without the re-annealing up to 212 degrees Fahrenheit, if they scalp or flake off on the first heat the fault is not in the crucible. We cannot be held accountable for such accidents, if our instructions are not observed. An additional word is, if the crucible be a large one, after toasting its outside walls, set it over a black, slow fire, bottom side up, that the inside walls as well as the outside can feel the good of the toasting process.

The remaining point before noticed is that the melter shall keep in stock new crucibles—those not before in the fire at all, and also partly used ones—those that have gone sundry heats and have received the vitreous glaze which comes after several heats. Then for his new and slow fires put in the brand-new crucibles, and heat them up gradually, but for the hottest fires always put a crucible in that is coated with the glaze. The careful observance of these two hints will obviate most of the cracks and scalps which otherwise might take place on the first or second heat. A crucible having now got safely thus far, its future good behavior depends—

1st. On the fit of the tongs. In a fire hot enough to melt brass, or copper, the crucible becomes soft and pliable. In lifting it out to pour, if the tongs do not fit, or are not made to grip the crucible at the right place, it is easily squeezed out of shape and liable to crack. The Dixon Co. suggests that the tongs be made to grip the crucible just below the bilge, so it will not need such a tight squeeze. Some melters use tongs shaped like the ace of spades; such tongs remove the coal much more easily than those of the regulation shape.

2d. On the kind of coal used for fuel. Coal with too much sulphur destroys, unnecessarily, the life of the melting-pot. I have seen a car load of crucibles give 25 per cent. more heat by a change of coal.

3d. The melter must not expect as many heats in melting one metal as another. From three heats when melting nickel, to six in melting steel, to twenty-four in melting copper, the heats run up in the forties when melting composition.

4th. The drafts and dampers, if arranged to produce a reducing atmosphere, as against an oxidizing atmosphere, will lengthen the life of the melting-pot. An oxidizing flame is always unfriendly to a plumbago crucible.

5th. The flux used also bears on the same result. The binding materials in the walls of the crucible are impervious to some fluxes and easy victims to others.

6th. The time of heat is also to be allowed for. If with modern furnaces, high drafts, and taller stacks, the heat is taken off in 1½ to 1¾ hours, don't expect your crucible to stand this large punishment as easy as the lighter strain of a 2½ to a 4 hours' heat.

7th. If in ordering your crucibles you could give a hint to the maker as to what metal is to be melted, he could tell better what crucibles to send.

In the old days a crucible was a crucible; in these modern days we make by twenty different formulas, or mixtures as they are called. So tell your maker what you propose to melt, and you will get a crucible better adapted to the work and one that will last longer.

8th. After pouring your metal, don't roll the pot out of doors where it will get rained upon, or on a bed of wet sand, or where it will absorb moisture. If you do, you put it exactly where in its hot, soft condition, it will become spoiled either teetotally or partially. Also in lifting large pots by the crane, don't release the grip and let them drop four or five feet on stone floor; rather hold the grip until within two or three inches from the ground, and then drop them if possible on a bed of old dry sand.

9th. Don't leave any metal to cool in the crucible, but pour until the melting pot is clean empty. In the parlance of the shop, don't leave the crucible so you will find a "button" in the bottom when it is cooled off.

In cooling, each button will have small threads or spikes of metal which will attach themselves to the soft crucible walls and get solidly stuck in them, and they tear the walls of the pot to get them out.

10th. In charging the crucible, don't wedge the scrap in too tightly; expansion and contraction go on in the heating and cooling, and a careful charging will provide for this.

The Sportsmen's Association.

At a meeting of the board of trustees of the Sportsmen's Association the report of the Exposition Committee showed a most encouraging state of things for the coming exposition, the amount of rentals for space assured at this time exceeding the entire amount for spaces taken in at the First Annual Sportsmen's Exposition held last May. The committee's report showed that there were now but thirty odd spaces remaining untaken, and that there were applications in for more than half of these.

The annual meeting of the Association was held after the adjournment of the trustees' meeting. The reading of annual reports of the various officers was waived, and the election of the board of trustees for the year 1896 resulted as follows: P. G. Sanford, J. A. H. Dressel, Charles Tatham, Justus Von Lengerke, Charles Daly, Frank W. Sanger, Harry C. Palmer, Charles H. Luscomb and Alfred Chasseaud. The election of officers resulted as follows: President, Charles Tatham; first vice president, Charles Daly; second vice president, Justus Von Lengerke; treasurer, J. A. H. Dressel; secretary, Harry C. Palmer. The following gentlemen were appointed as an executive committee: Charles Tatham, Charles Dalay, Justus Von Lengerke, J. A. H. Dressel, Charles H. Luscomb. Messrs. Dressel, Von Lengerke and Luscomb were appointed by the chair as a committee to undertake the revision of the constitution and by-laws, and report at an early meeting of the board of trustees.

A number of new members were admitted to the Association, among them being E. Detmold, of Von Lengerke & Detmold; Charles H. Luscomb, ex-president L. A. W., and Mr. Whittlesey, of the Overman Wheel Co.

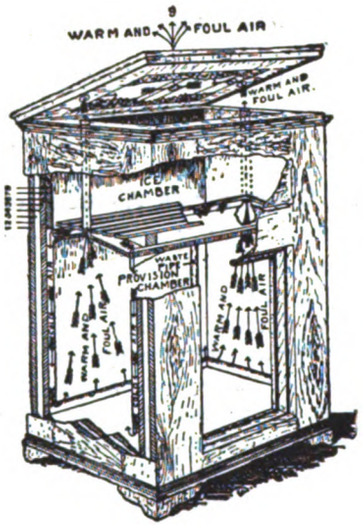
The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the Silver Springs Dyeing & Bleaching Co., Providence, R. I., three buildings, made with steel frames and corrugated steel coverings; an engine house, a box shop and a boiler room. The Berlin Co. have also lately completed a fireproof boiler room for the Passaic Print Works, at Passaic, N. J.

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Read's "Odorless" Refrigerators.

An examination of a little book that is being sent to the trade by the Keyser Mfg. Co., Chattanooga, Tenn., leads to the conclusion that Read's "Odorless" Refrigerator not only keeps provisions cool, but also so warms up the user that he sits down and writes a fervid endorsement. A half dozen pages of the book are filled with strong endorsements, born of personal experience, and ranging in the locality of the writers from Victoria, Tex., to Brooklyn, N. Y., and from Macon, Ga., to Mansfield, Ohio.

A sectional view of this later claimant to honors is here shown. It is described by the makers as emphatically an odorless refrigerator, in which one "can put onions, bananas and all kinds of vegetables, fruits, meats, fish, cheese or anything that has an odor, together with milk and butter, leaving the two latter in open vessels, without contamination. It consumes less ice than other refrigerators, and needs no washing out." In further statement of their claims, the company say: "No contamination by reason of foul odors. A great saving of ice, because the warm air that is admitted in opening door of provision chamber does not reach the ice. Does not need to be scalded out to rid it of foul odors, as they all pass out by our system, thus saving labor and worry. Our aim is not to make a low-priced refrigerator, with which the market



is already flooded, but one that will do the work and stand the wear and tear of time. We put in more material than other makes, as we can prove by the weight of our refrigerators, and with our patent system, it costs more to put together, and therefore we have to charge a little more, but we give you your money's worth. Although this is a new article on the market, yet we have already placed them in twenty-two States, and have abundance of evidence from some of the best people in the land, that have given them a square and fair trial, that these refrigerators will do all that we claim."

The following is given in description of the sectional cut here shown: "This is a sectional view showing the mode of operation of our refrigerators. Ice being placed in the upper chamber, the cold air passes down cold air flues and goes into the provision chamber near the bottom, getting under all warm air and odors and forcing them up into the roof of provision chamber, to each end of which pipes are attached, and the warm air and odors pass up through these pipes (and not back over the ice as in all others), to an opening in the lid, where they pass through an air chamber between the outside and inside cases of the lid, and then pass out into the open air at No. 9, thus avoiding all collision of cold and warm air currents so hurtful to the preservation of food. The roof of the provision chamber is absolutely air tight from the ice chamber, so that in opening the door of the provision chamber no warm air can come in contact with the ice. Such warm air as is admitted when door is opened, goes up warm air pipes and out at No. 9." Construction: 1, Outside case; 2, water and acid proof paper lining; 3, dead air space; 4, water and acid proof paper lining; 5, inside case; 6, water and acid proof paper lining; 7, wall to protect air flues; 8, galvanized steel lining; 9, escape for warm air and odors. The arrows indicate the circulation of air.

A copy of the little book above referred to, with other information as to prices, etc., can be obtained by application to the Keyser Mfg. Co., Chattanooga, Tenn.

They Celebrated Their Sales.

An interesting occasion is thus described in a recent issue of the Nashville, Tenn., *American:* There was a most pleasant gathering at the Utopia last night, when between thirty and forty employes of the Gray-Dudley Hardware Co. sat in an upper room and dined in honor of a remarkable record made by that firm during the month of January. Just before the end of the year John M. Gray, Sr., promised the employes that if the sales of the month should aggregate $100,000, and the goods should all be actually shipped out of the house, he would give them an oyster supper. The sales passed that figure by a very comfortable margin, and last night the supper was forthcoming. Mr. Gray himself has retired from active business, though retaining a large stock interest in the firm, and during his busy life has earned the reputation he now enjoys so well. He believed the business outlook was promising, and when others thought him too sanguine, he made this offer. There were only about thirty-six of the employees present, but three of the traveling men being on hand, but the office force enjoyed the occasion. Judge J. W. Black was master of ceremonies, and by way of inaugurating the evening's pleasures he made a speech that was roundly applauded. Between the courses there were a number of short talks, though all disclaimed being orators, in which Messrs. John Dale, Will Pollard, W. F. Stephenson, J. W. Black and others participated. A hearty vote of thanks was given Mr. Gray for the entertainment, and three cheers were given for him, for Mr. Jenkins and for Mr. Stephens. Judge Black was the most elegant of toast masters, and Mr. Dale's tribute to water, which constituted the beverage of the evening, will be long remembered. The party broke up about midnight, and most of the boys missed the last car home.

The January sales far exceeded the January, 1895, sales of both the houses, which have since consolidated into the Gray-Dudley Hardware Company.

The Kruse "Kross Klevis."

An attachment which is attracting the attention of implement and Hardware dealers on the lookout for specialties to increase their trade, is the Kruse "Kross Klevis," made by the Kruse Kross Klevis Co., Higginsville, Mo. It is described as "of the best quality of malleable iron, and adjustable to fit any plow from an eight to an eighteen-inch." Handling this Clevis means only one kind to keep in stock, as it can be used to repair broken parts of others. The price is low, and a liberal discount is made to the trade. Write to the manufacturers, the Kruse Kross Klevis Co., Higginsville, Mo., for prices, terms, etc.

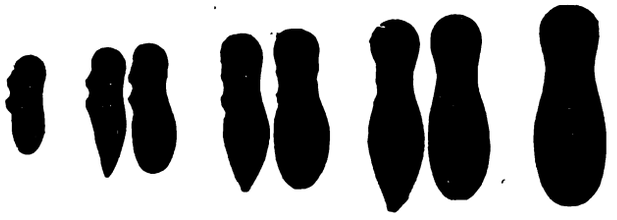
The Brooklyn Glass and Manufacturing Co., has been incorporated by John C. Baker, of Great Neck, Wm. Clark Roe, of Thomaston, and George W. Green, of Brooklyn, to manufacture lamps, cutlery, earthenware, pottery, household furnishings, etc. Capital stock $15,000.

The latest thing in glass is a factory in Liverpool, Eng., built of glass bricks, with chimney, floors and shingles of the same material.

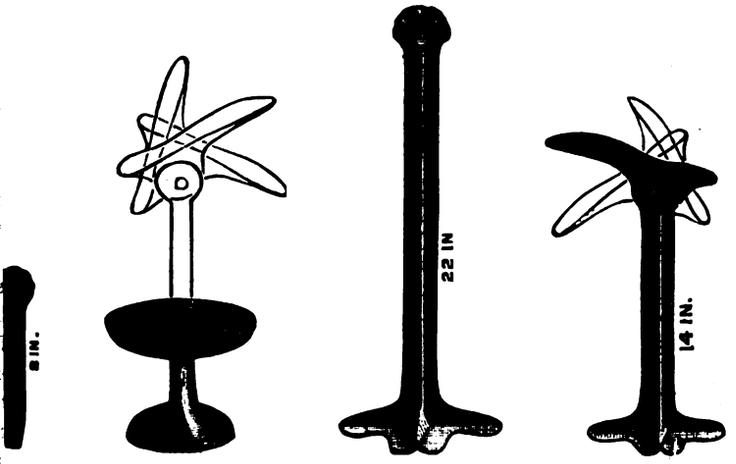
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The Enterprise Cobblers' Kits.

While there are innumerable kinds and styles of shoe stands and lasts on the market, the Enterprise Mfg. Co., of Pa., Third and Dauphin Streets, Philadelphia, Pa., have lately introduced a new device which they style a "Cobblers' Kit," and which they feel sure to meet all possible requirements. This most important improvement is in the lasts, of which there are eight sizes or styles, and as shown



in the illustration, they can be readily adjusted to any desired angle. The lap iron enables the operator, by the use of the different lengths of lap standards, to either place it on a table or between the knees, a very essential feature when comparing them with the old style stands and lasts. The lap iron also has three cups or receptacles for tacks, pegs, etc., thus obviating the necessity for having several small boxes lying around, which are always liable to be upset or mislaid. "It is the only article of like nature with



which the purchaser can get either round or razor toe lasts," they say. "The almost universal use of razor or pointed toed shoes is a guarantee that parties who, from choice or necessity, do their own cobbling, will at once appreciate this as one of its many advantages." The manufacturers will gladly send descriptive catalogue on application.

S. L. Allen & Co.'s New Machines.

S. L. Allen & Co., No. 1107 Market Street, Philadelphia, Pa., are offering the trade, this year, two new and improved

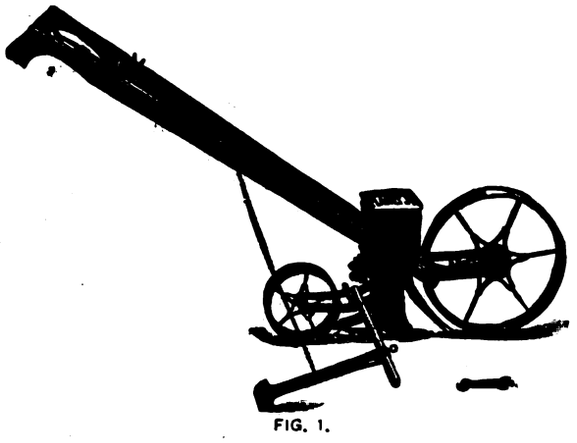


FIG. 1.

implements. One of them is their new No. 3 Drill, which is described as fulfilling in the best possible manner, all the requirements of a tool for sowing all kinds of garden seeds. It is described as compact, light, strong, easily adjusted, and extremely perfect in all its work, planting with almost astonishing regularity either in hills or in drills from four to twenty inches apart. It is shown in Fig. 1.

The second of these two new implements is their new No. 8 Horse Hoe and Cultivator, an illustration of which is shown in Fig. 2. They explain that this combines the practic-

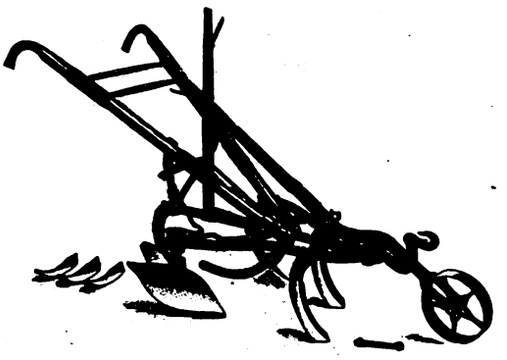


FIG 2.

al knowledge and experience gained by them in designing and manufacturing this class of goods during the past twenty-five years. They say: "The lever expander, handle braces, cultivating steels, attachments, and strength and finish, which are peculiar to this machine, make it unrivalled for opening furrows, covering, hoeing, cultivating, ridging, hilling and turning vines in every crop cultivated by horse power; while our new depth regulator will be appreciated by every user of a one-horse cultivator. It is attached to the center of the machine, worked simultaneously with the wheel by the wheel lever, and removes entirely the tendency of this class of tools to run deeper behind than in front in soft ground, making it therefore unnecessary to hold up on the handles."

We have at hand the 1896 illustrated price list of the McKinney Mfg. Co., Allegheny, Pa. It is handsomely gotten up, with a black flexible cover with gold lettering. In the front of the catalogue is a view of the works, which, we are informed, are the largest hinge works in the world. One of the features of this publication is the representation of the labels in colors, used to mark the company's goods. They are shown in several combinations, including green and black, red and black, blue and black, pink and black, yellow and black, black and bronze, blue and bronze, and others. The company manufacture polished steel butts, strap and T hinges, trunk hinges, felloe plates, washers and special goods in wrought steel. The company say: "We take pleasure in presenting to you our new price list, and we solicit your trade, assuring you that it will be our aim to give you the utmost satisfaction both by prompt and careful attention to orders, and by giving you a line of goods that has no superior in the market. We have added largely to our buildings and machinery and now have the largest works in this country for the exclusive manufacture of steel hinges and butts. This edition contains the new list prices of bntts, and strap and T hinges, carefully revised and corrected to January 1, 1896, and all list prices issued by us prior to this date are hereby withdrawn."

The Zucker & Levett & Loeb Co., Nos. 526-530 West Twenty-fifth Street, New York, were described in our latest issue as having published in their new catalogue "a complete description of an electrotyping plant, with the parts necessary for a nickel-plating and polishing outfit." The word that should have been used was "electroplating." They do furnish plants for electrotyping, but that is a comparatively small part of their business.

During nine months of 1895, England exported $4,000,000 worth of bicycles. Of this amount the United States took only $94,000 worth.

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The Monarch Cycle Factory.

The accompanying illustration shows the factory of the Monarch Cycle Co., Lake, Halsted and Fulton Streets, Chicago. To supply the rapidly growing trade, the company have found it necessary to make large yearly additions to their factory. The addition of the past season is a factory in itself, consisting of an eight-story and basement building, 100 by 125 feet, giving 115,000 square feet additional floor space, making a total of over 225,000 square feet in the entire plant. Throughout this new building has been installed a large amount of the finest machinery for bicycle construction known to mechanical science. The total cost of the addition approximates one quarter of a million dollars.



Industrial Progress of Japan.

A correspondent of the London *Times* sends an account of the Kioto Industrial Exhibition, which he visited along with a crowd of whom nearly every third man was armed with a note book. "The Japanese," he says, "are rapid writers, and seem to take as copious notes of what they observe in their own country as they have been doing in Europe and America these thirty years past. The exhibition is national and periodical, being held every fourth year, for the express purpose of stimulating progress in arts and manufactures, and their success in this direction has not been small. The charge for admission is 5 sen, equal at present exchange to 1½d. On Saturdays the fee is reduced to ¾d., and on Sundays it is raised to 2½d., and so on, farthings, or less, for pennies throughout. What the exhibition has to show of progress in the various branches of manufacture could not be adequately described, even by an expert hand. As a whole, the useful preponderates over the ornamental. The variety of new fabrics, the wealth of new designs, and the audacity of new adaptations of material to the wants of life are all so impressive that one cannot resist peering into the not distant future when yet greater developments of the creative energy of Japan will be revealed, possibly to the consternation of the West of the Christian world.

"The Japanese are keen learners and anxious to accommodate—two most important qualities in which the universal experience of alien mankind pronounces the English manufacturer to be conspicuously deficient. The hats made by the Japanese and universally worn by them may not be equal to Lincoln & Bennett's, but they look well, and, I am informed, wear well, and so serve every practical purpose one wants of a head covering. These hats, in felt, hard or soft, cost 3s. 6d. in Japan, and could not be bought in the cheapest shop in London under 8s. 6d., generally 10s. 6d., and I suspect the superior finish of Sackville Street would run the price up to 15s.

"Boots and shoes I can vouch for from personal experience, whether made by Japanese or by Chinese. I have worn them in London, and had them valued by London bootmakers at just double what they actually cost. Eyeglasses and spectacles, again, may not be equal as to either lens or frame to Carpenter & Westley's make, but it would take an expert to tell the difference by inspection. In donning the western dress the Japanese do not, as might have been a priori expected, seek the cheap and nasty; it would be repugnant to their nature to do so. They never go shabby, and they show a decided penchant for black cloth and white linen. I generally find my Japanese friends better dressed than myself. Neatness in dress and cleanliness in person, house, street, boat or carriage are instinctive with these people—it is an instinct of perfection and order, and, rightly considered, is undoubtedly the key to the Japanese secret."

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Caro's Budget.

H. P. McGhee, the enterprising Hardwareman of Wellston, Ohio, has arranged to put in the Moore display shelf boxes, and will, in fact, make a general improvement in his store. His business is increasing, and he will have to utilize all available space.

Fred. Hamilton, of Smith Bros. Hardware Co., Columbus, Ohio, (a genial hustler) reports trade improving, and Fred. is an observing individual, and should know.

R. L. Neal & Co., Parkersburg, W. Va., among the brightest and progressive of the up-to-date Hardwaremen of this section, are enjoying an elegant trade, and say prospects for a successful year are flattering. They handle everything in the Hardware line, and are upright and clever gentlemen and business men.

Farson & Potter, Belpre, Ohio, are a hustling firm, who will have the trade their energy and cleverness deserve. They carry a full line of general and fancy Hardware and agricultural implements, and have a tin shop in connection therewith. They handle the Thomas wheel, and expect a large sale for '96. They have had quite a run on the Marietta stove.

M. A. Kropp, Marietta, Ohio, has been having his share of the trade, and says that prospects for '96 are very good. Sickness in his family prevented Mr. Kropp from attending the meeting of the Ohio Hardwaremen's Association, at Dayton, Ohio, February 12th. Mr. Kropp carries a full line usual in a first class Hardware store.

H. P. Theis, has one of the nicest and best Hardware stores to be found in Marietta, Ohio, and is a jolly, clever and wholesouled man, with an eye for business every time. Mr. Theis carries a full line of Hardware, and in fact everything to be found in an A. 1. Hardware store. He also has my old favorites, the Tremont stoves and the Lawrence paints. I should like to give a description of the display which won him the "red ribbon" at the fair, but description in the space allowed is impossible.

Hagan & Schad, Marietta, Ohio, are both good fellows; both hustlers; but I fancy George is the better singer of the two. They contemplate general improvements in their place of business this spring, among which will be the erection of a two-story "bike" repair shop 20 by 40 feet. They handle the Sunol wheel, and I need not say have a large sale.

Ben. J. Throop, representing A. S. Teachout & Co., sash and door manufacturers, of Columbus, Ohio, was a traveling companion of mine a part of last week, and I want to say I am his debtor for the pleasure I had. Hardwaremen who deal in sash, doors and blinds will find "Ben." one of best of fellows, both socially and in a business way. Bone him for a memorandum book "but don't tell him I told you."

W. R. Tucker, Beverly, Ohio, is having a very good trade, and his smiling countenance verifies his assertion that he is doing his share. He has furniture in connection with Hardware, and a nice store.

I came very near having to chronicle an event that would not only have given me pain, but pain as well to the hundreds of friends of the popular Jesse A. Scott, the junior member of the Hardware firm of Beswick & Scott, Stockport, Ohio, but fortunately I can express congratulation instead of condolence. While driving into the Muskingum River, Wednesday, the 5th inst., to wash the mud from his horse, the swollen river overturned the cart and threw him out into the raging torrent. The accident occurred just below the dam, and the strong undertow caught him and was rapidly drawing him back under the dam, which would have meant certain death, when he was fortunate enough to grasp a projection on the side of the mill, and supported himself until help arrived. With the aid of a plentiful supply of that sterling remedy in such cases, Bourbon, Jesse was able to relate the circumstances the next day. The horse, a valuable one, was drowned, but the harness and cart were saved a few miles below.

I wish to say a few words to the Hardware trade in general, and to the Ohio Hardwaremen in particular, on the subject of Hardware Associations. All realize the many evils resulting from the hap-hazard and price-destroying manner in which the business is now conducted in many localities, yet there is a hesitancy on the part of the majority of the trade to lend a helping hand to the best of movements—the trade association. There is a disposition to stick to the "old rut," and make no effort to pull out of it. Let me say a good word for, not only the state organization, but also for city and county organizations as well. The good resulting from such an association can scarcely be estimated, but where the members are earnest in their endeavors to benefit one another, the benefit is not long in manifesttng itself. As regards the officials of the Ohio State Association, too much praise cannot be given them for their persistent efforts to increase the membership and promote the general welfare of the association. Their efforts have proven effective and such were seen at the meeting in Dayton.

When the retailer sees that the only way he can prevent the jobber from selling to his customers is through organization, then perhaps we will see a stronger movement towards the desired end.

The outlook for '96 is indeed flattering, and one can scarcely find a complaint this spring. To the observant traveling man the outlook is better than it was a year ago. The improvements already made, and in contemplation, testify that '95 was not the worst of years. Everybody seems cheerful and content with the prospects, and why shouldn't we be? That it will be a rattling good year is the prediction of CARO.

The Reading Hardware Co., Reading, Pa., who are always coming to the front with some artistic attraction, have issued a large and copiously illustrated catalogue on Window Screen and Screen Door Hardware. Most of the goods illustrated are new lines for the company. They include a large assortment of screen door catches, spring hinges, shutter knobs, hook sash lifts, "Caldwell" screen door checks, window screen corner brackets, screen door brackets, door pulls and Duplex wrought butts. The company make the following announcement: "All screen door catches illustrated and described in our 1891 catalogue are hereby made void." They further remark that: "In the present catalogue it will be noticed that our line of trimmings for window and door screens has been materially increased. We have extended our facilities in order to meet the growing demand for handsome well-made goods for this purpose, and they will be found perfectly satisfactory in every respect." It is a timely catalogue for any dealer to examine, and will be sent on application.

The factory of the Monarch Cycle Mfg. Co. is being run to its full capacity, the average daily shipment being 300 bicycles. The reputation of the Monarch is world-wide, as is evidenced by the following foreign shipments during the past month: France, 48; Germany, 41; Hungary, 39; Italy, 33; Holland, 28; Denmark, 27; Norway, 24; Sweden, 24; Turkey, 19; Russia, 17, besides smaller shipments to Great Britain, China, Japan, India, Australia, New Zealand and nearly all the South American countries.

Kruse Kross Klevis Co., Higginsville, Mo., Feb. 13, 1896, *Hardware*: "Your notice card arrived to-day. We are pleased to state that the copy of *Hardware* has not yet arrived, but, an inquiry, the result of the ad. (in Feb. 10 issue) has come in this mail. Can you beat this?"

In 1894 Germany exported 56,414 tons of wire nails and 209,000 tons of wire.

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ILLUSTRATED BICYCLE NOVELTIES.

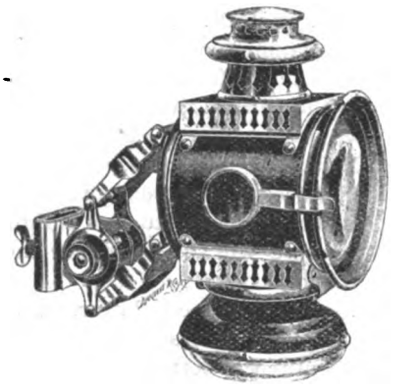
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Tally-Ho Lantern.

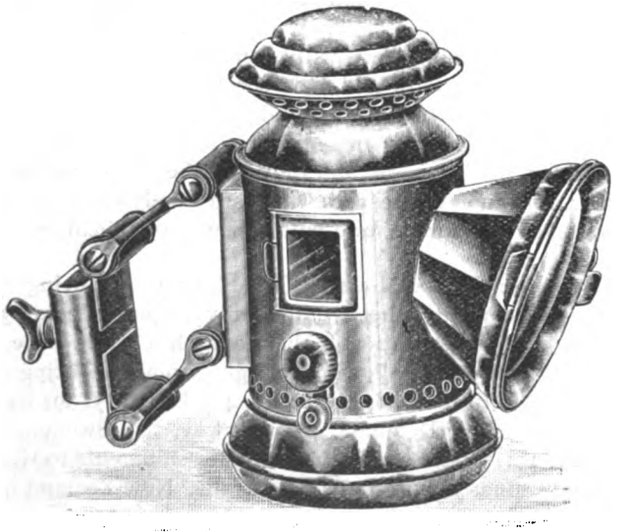
The Bridgeport Gun Implement Co., Nos. 313 to 315 Broadway, New York, are offering the Tally-Ho Bicycle Lantern as here shown. It is made of drawn brass of two



styles of finish, black japan, nickel trimmed, and polished nickel throughout. The lantern will burn kerosene, and the parts are riveted. It has inside oil filler, adjusting screw on bracket to regulate angle of light, match scratcher on inside, removable reflector, double convex lens and locking device to prevent wick from jarring down, most of which features are patented devices. It is equipped with red and green side lights, burns, it is stated, nine hours and weighs one pound. A special lantern will have a patented locking device for locking lanterns directly on to the head of bicycles, dispensing entirely with the lantern bracket, which is supplied at a small additional cost. The lamps are guaranteed, and, we are informed, will not jar or blow out.

The Liberty Light.

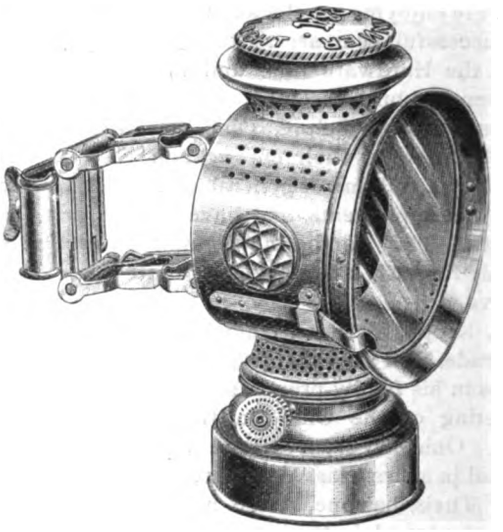
Hermann Boker & Co., Nos. 101 to 103 Duane Street, New York, will shortly introduce a new bicycle lantern



called the "Liberty Light," cut of which is herewith shown. It is made of spun brass throughout and finished in nickel, and has a detachable top and bottom and detachable solid reflector. The side lights are red and green, one of them opening, as a convenience in lighting the lamp. A sixteen-sided cone holds the lense, which is said to be finely cut. The lantern will burn either bicycle oil or kerosene.

The Banner Bicycle Light.

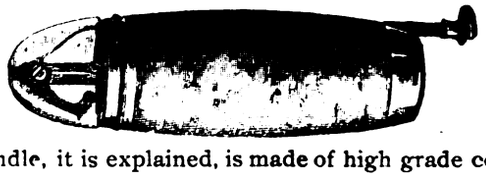
The Plume & Atwood Mfg. Co., No. 29 Murray Street, New York, and No. 199 Lake Street, Chicago, are introducing the Banner Bicycle Light as shown by the accompanying cut. The company will be able to furnish them in quantities in a short time. The lamp is said to be wind-



proof and it burns kerosene oil. The company say that as they are "the leading manufacturers of kerosene oil goods and make probably fifty per cent. of the entire output of kerosene burners," they "believe that we have succeeded in making a bicycle lamp superior to anything on the market." It is remarked that "all parts are riveted or seamed. There is no solder to melt. The top is removable, also the fount and the burner as well as the reflector. This makes it very easy to clean the lamp. The removable top is a most important feature, because that is the point where the soot first accumulates and obstructs the glass. This accumulation causes a smoking and imperfect combustion in lamps." The company state that in its construction they had specially in view the cleaning of the lamp after it had become smoked or dirty, and have succeeded in making a lamp that is easily taken apart and easily put together again. The fount unscrews from the burner. This means convenience in filling. It is packed with cotton, preventing any splattering of the oil in the jolting of the wheel. The burner is attached to the lamp proper by a bayonet catch so that both the burner and the fount can be removed in an instant. The lamp is 5½ inches high and the gas reflector 3 inches in diameter. The glass as made gives a double reflection, both downward and straight ahead. The weight of the lamp is 12 ounces. It is clean, simple, light and durable. While none of the lamps have yet been marketed, large orders have been placed for early delivery.

Bridgeport Handle Bell.

The Bridgeport Gun Implement Co., Nos. 313 to 315 Broadway, New York, have recently put on the market a Handle Bell for bicycles as shown in the accompanying cut.



The handle, it is explained, is made of high grade corkaline with German silver tips to match regular corkaline handles; and that the bell is made from the best bell metal. The bell has, it is remarked, a high-toned sound and fills all requirements of the law, besides being invisible and very light in weight. The combined handle and alarm bell is de-

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signed to be placed on the handle bar instead of the regular handle, and to give the rider free use of the handle bar. The bell is rung by pressing the button at the inner end of the handle. The manufacturers make the point that the rider can operate the bell and still retain a firm hold of the handle bar; that the bell will not get out of order, and that it obviates the necessity of the ordinary style of bell which does not improve the appearance of a bicycle.

"Perfect" Barrel Spray Pump.

F. E. Myers & Bro., Ashland, Ohio, have added to their immense and popular line a new Barrel Spray Pump, to which they have given the name "Perfect." They explain that the particular features of superiority in the construction of this pump consist in its large capacity and great power. It is constructed with an air chamber of over two gallons capacity, whereby the pump is allowed to store up power, and the stream is made constantly elastic and does not show vibration during the operation of pumping. The cylinders of the pump are brass and brasslined; the check valve and valve seat, and lift buckets are all brass, ground seats; the plunger is constructed in harmony with their patent Expansive Plunger, so arranged that additional pressure means additional expansion, making the packing qualities self-compensating. The operation of the pump is double-acting in discharge and power, operating with a lift and plunger bucket, arranged so that the labor of pumping is equal on the up and down stroke; has good leverage. The base is the proper shape so that the pump can be set on the head or side of a barrel; is arranged with two discharge outlets so that two streams of hose can be used at the same time. Fig. 1 shows the pump without hose attached. Fig. 2 is a good illustration of the pump placed on the head of a barrel, equipped with liquid agitator, and two lead hose. Fig. 3 shows the pump mounted on a barrel, equipped with mechanical agitator, and two lead hose. The mechanical agitator is so arranged that the instant the pump is put in operation the agitator is also put in operation, so that the liquid is constantly stirred up and well mixed. The same operation holds good with regard to the liquid agitator, the instant the pump is put in operation, a jet is allowed to escape at the bottom of the agitator, thus keeping the mixture constantly stirred up. They submit both styles in order to meet any requirement. These pumps, when equipped with the proper amount of hose, pipe extensions and their latest nozzles, meet, the makers say, "every requirement."



FIG. 2.

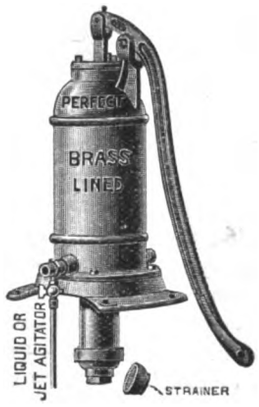


FIG. 1.



FIG. 3.

Darling, Brown & Sharpe on Rules.

Darling, Brown & Sharpe, Providence, R. I., have issued an interesting catalogue describing and illustrating their rules. The company say: "In 1850, Joseph R. Brown began the manufacture of steel rules and other instruments of precision, and, in 1852, Samuel Darling began a similar line of work. After several changes in the business of each, the partnership of Darling, Brown & Sharpe was formed, in 1866, and the business has since been carried on under this name, a name which has become widely known in this and foreign countries by reason of the accuracy of its work. In the following pages we call attention to rules only. In addition to the lines of rules made for such a number of years, we have recently introduced a line of Tempered Rules. We have long had under consideration the making of these rules, but were not satisfied with methods that had previously been in use, as the results were not sufficiently accurate. After an extended series of experiments, we have perfected machinery, however, whereby we are now able to furnish tempered rules as accurately graduated as the standard or soft rules." The company also manufacture steel key seat rules, steel caliper rules, steel ladies' work basket rules, steel shrink rules, boxwood shrink rules, square steel rules, triangular steel rules, triangular metallic scales, triangular boxwood scales, improved scales for draughtsmen, standard steel yard measures, standard steel rules graduated to thousandths, and steel gear rules for sizing gear blanks.

The Cronk Hanger Co., Elmira, N. Y., show on page 71 of this issue an illustration of Cronk's Roller Bearing Barn Door Hanger, which they describe as made heavy, will run a door any distance, and "guaranteed to run a lifetime." They further explain that they have "tested the rollers for one year, with a weight of three thousand pounds, running ten hours per day, at sixty revolutions per minute, without showing any wear." Sizes and prices may be found upon the page referred to.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

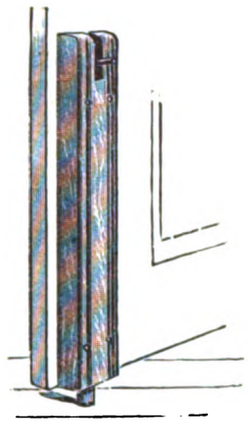
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

A New Door Holder.

The A. J. Phillips Co., Fenton, Mich., are introducing the Door Holder shown in the accompanying cut. It is designed to keep doors from swinging and is made of oiled hardwood, with a strong spring and a rubber foot. To attach the contrivance to the door, as shown in the illustration, turn the wire stem and allow the rubber foot to press on the floor. It is remarked that the holder will hold the door wide, or partially open, enabling the temperature of a room to be regulated. When not in use, the heavy wire lifting stem can be raised and turned. The manufacturers remark that the device is generally used to prevent the slamming of doors. Packed with round head screws, two dozen in a box. Listing at $1.20 per dozen. The company also manufacture screen doors.



The Prouty Ball Bearing Door Hanger.

The T. C. Prouty Co., Midland, Mich., are offering the Ball Bearing Door Hanger shown in the accompanying cuts. The wheel, Fig. 1, has a tread—the part coming in contact with the track—made of a turned ring of vulcanized fiber to render the action of the wheel practically noiseless. This tread is mounted on steel sleeves formed from machinery steel under heavy pressure into a cone constructed to receive in the most suitable and practical manner a series of 16 bicycle balls standard made ¼ inch in diameter, carefully hardened and ground. These balls are divided into two rows, eight on each side of wheel, which is kept from having a lateral motion by a central enlargement of the shaft, which is turned from special tool-steel by automatic machinery and afterwards tempered and tested. The base plate, shown in Fig. 2, is referred to as simple, yet effective, and can be applied without cutting or mortising the door. At the front edge is a raised lug to receive and lock the adjustment key, which is pivoted to the adjustment screw and serves not only as a key but also forms a lock to retain the hanger in the base plate and to render it impossible for the adjustment to become disarranged. To adjust, the ends of key are pressed together, which, it is explained, will release them from the lugs on the base plates, and draw the hanger to front edge of door. This allows the key to hang down at an angle of 20 degrees,

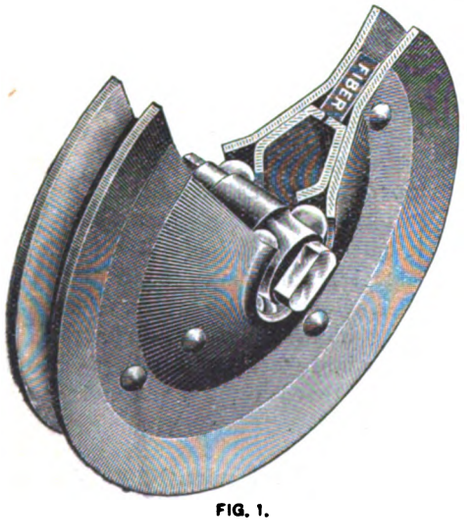


FIG. 1.

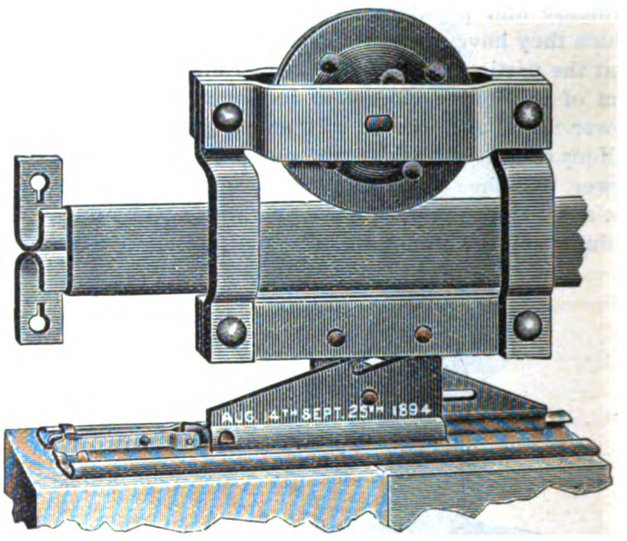
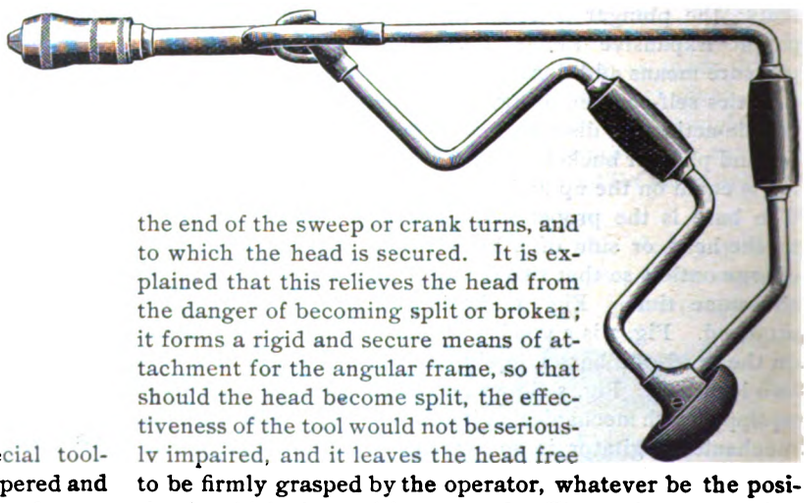


FIG. 2.

so that it may be used as a screw driver acting on the adjustment planes. The hanger and single track, all steel, are shown in Fig. 2, the hangers and attachment being given a bright finish, and covered, it is stated, with a thoroughly rust-proof varnish. The point is made that the adjustments are detachable from the top of the door instantly, and can be adjusted and permanently locked without the use of screw driver or wrench. The track is packed complete with screws in 14-foot bundles for full sets, and 8-foot bundles for half sets. Each bundle is wrapped in paper ready to hand over the counter. The manufacturers state that one of their wheels, after having made over 1,000,000 revolutions under a steady weight of 200 pounds, was found to be in excellent condition.

DuMont Patent Corner Brace.

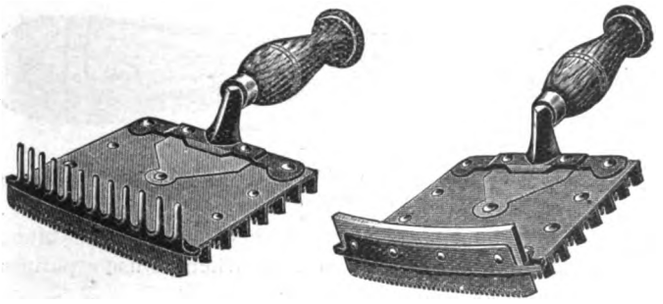
The DuMont Mfg. Co., Buffalo, N. Y., are placing on the market the improved Corner Brace, as shown here. The improvement consists of a malleable iron socket in which the end of the sweep or crank turns, and to which the head is secured. It is explained that this relieves the head from the danger of becoming split or broken; it forms a rigid and secure means of attachment for the angular frame, so that should the head become split, the effectiveness of the tool would not be seriously impaired, and it leaves the head free to be firmly grasped by the operator, whatever be the position in which the tool is operated. The makers state that the change permits the using of Lignumvitæ heads and cocobola handles, thus increasing the beauty and value of the tool. The steel rods and other parts are heavily nickel plated.



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Two New Curry Combs

The Decker Mfg. Co., Keokuk, Ia., are offering the Curry Combs shown in the accompanying illustrations. They present a new idea in close back curry combs. The backs are made of spring steel or spring brass, and are said to be very flexible and durable. The bars are also made of spring steel or spring brass, and the centers of the backs



being cut out they are rendered springy and flexible. It is remarked that these particular qualities make the combs soft and easy on the animal, because they readily adjust themselves to the uneven surface of the body. It is explained that this new construction of a curry comb bar makes it less liable than a rigid bar to lacerate the skin, besides the vibrations of the bar keep the dirt and dust from sticking to it, leaving the comb always free and clean. Comb No. 105 has a rake attachment, as shown in the cut, which is of great assistance when grooming a horse, to comb its mane and tail. The rubber scraper or shedder on the No. 110 curry comb is of great assistance in scraping off sweat, water or mud, or the hair from a shedding animal. The makers state that it is so soft that it will not irritate the body or legs of the most sensitive animal.

Street Lanterns.

The accompanying cuts show two Street Lamps, Nos. 55 M and 56 M, offered by Edward Miller & Co., Meriden, Conn., and Nos. 28 and 30 West Broadway, New York.



They are fitted with Nos. 2 and 1 burners respectively. From base to cap the extreme dimensions are 23¼ inches and 4 inches higher with raised bail. The lamp is said to be powerful as an illuminant, giving a large white flame, the No. 1 burner having a capacity of 30 candle-power, and the No. 2 burner 65 candle-power. The iron frame is black, with lamp and top in green. The base has a spread of 15¼ inches. The makers call attention to the following points: that the lantern is easily filled, has outside nickel adjustment, and that the lamp is readily removed by raising the globe and sustaining it on the hook for that purpose. The same method is also followed when lighting it.

Iwan's Wire Pipe Hanger.

Iwan Bros., Streator, Ill., are offering the Wire Pipe Hanger shown in the accompanying cuts. It is designed for conducting pipes, and can be used on either wood or

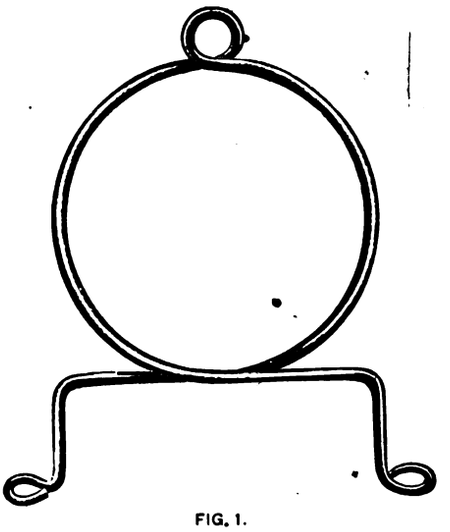


FIG. 1.

brick buildings. Fig. 1 shows the hanger. The hanger holds the pipe from the building, which permits of the pipe and building being painted, and leaves no place for dirt and dust to lodge against the building. The makers state that a tinner can put up more pipe in the same length of time than with the tin strap; at the same time it is cheaper and

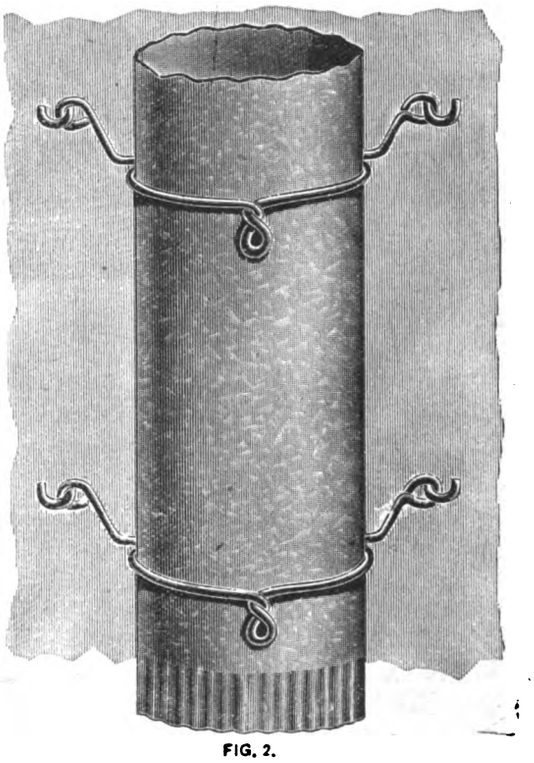


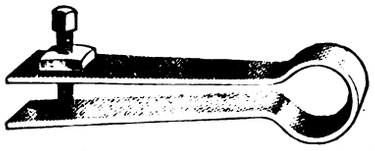
FIG. 2.

more durable. Fig. 2 shows the hanger fastened to the building holding the pipe in a perpendicular position. For fastening the hanger to the building use small staples; nails can also be used; for brick buildings use spikes. The hanger can be tightened as desired by giving the eye a twist, which will draw the hanger tight around the pipe. They are made in 2, 3, 4, 5 and 6 inch sizes.

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"Stiles" Anti-Rattler.

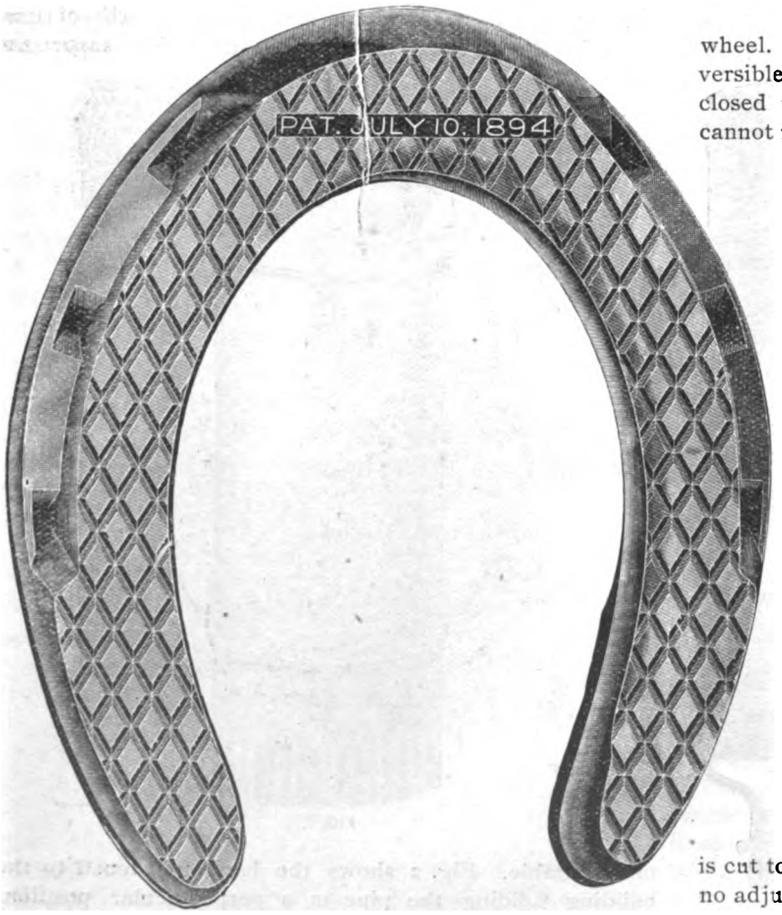
The Genor Bros. Mfg. Co., No. 87 Washington Street, Buffalo, N. Y., are offering the Stiles Anti-Rattler shown in the accompanying cut. Anyone who has ever used a buggy or wagon recognizes the necessity of a device that



will take up the slack between the rear end of the thill or pole-iron, and the rear wall of the axle slip, and it is remarked that the Stiles will do the work satisfactorily, on account of its cheapness, simplicity, and the ease with which it is applied. It is explained that if it is desired to change from thills to pole, that the bolt can be readily removed from the thill eye without driving, thus avoiding brushing the threads on the bolt. The makers state that the anti-rattler is tempered so as not to be easily broken, and that it is adjustable, and can be tightened to any tension, thus obviating the use of wedges.

The Gibbs Rubber Cushioned Horseshoe.

The Whitman & Barnes Mfg. Co., No. 111 Chambers Street, New York, are placing on the market the Rubber Cushioned Horseshoe as shown in the accompanying cut. The shoe consists of a forged steel frame, pierced with slots through and around which a rubber cushion is vulcanized, forming a compact and solid but elastic shoe, composed partly of rubber and partly of steel. The illustration shows the rubber on the bottom of the shoe. The dark line on the part of the shoe coming next to the foot indicates the rubber encircling this part of the shoe. It is explained that the rubber takes the concussion of the blow of the foot on the pavement off the hoof, leg and shoulder of



the horse, curing the lame horse and saving from lameness the sound animal; also that it keeps the foot from heating, not only making the hoof healthy but preventing puffs and windgalls, and relieving and preventing corns. It is remarked that the rubber on the bottom prevents slipping on smooth pavements. It is pointed out by the manufacturers that the device is not a pad but is a regular cushioned shoe, covering no more surface on the hoof than an ordinary steel shoe; also that it may be readily shaped to the foot when cold.

Tracing Wheels.

The accompanying cuts represent three designs of tracing wheels manufactured and now being put on the market



NO. 15 TRACING WHEEL.
FIG. 1.

by the Geo. L. Thompson Mfg. Co., makers of Hardware specialties, Nos. 6126–6130 La Salle Street, Chicago. Fig. 1 represents the No. 15 tracing wheel, which is of blued steel, made flat on one side so that when in use a pattern



NO. 25 TRACING WHEEL.
FIG. 2.

can be accurately traced. All the teeth are sharp and perfect. The post is nickel-plated and fitted with an ebonized finger rest. The handle is of antique oak with nickel-plated ferrule. Fig. 2 represents the No. 25 double tracing

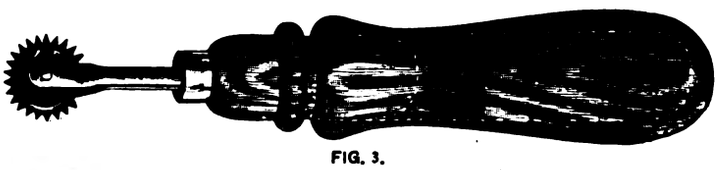


FIG. 3.

wheel. Fig. 3 shows the No. 30 safety, which is made reversible, so that when not in use the wheel is entirely enclosed in the handle. When lying in a work basket it cannot injure or become entangled with other articles, and when necessary it can be safely carried in the pocket. It is made of the same material and finished up the same as the first in Fig. 1. Put up one dozen in a box.

The Jack Lee Ankle Brace.

The Lee Ankle Brace Co., Fremont, Neb., are offering an Ankle Brace for use in skating, illustration of which is here given. It consists of a ribbed steel nickel-plated side piece 8 inches long, secured to a broad piece of leather with a strap at the top to buckle around the ankle. The lower part of the brace is bent so as to go under the heel-plate of the skate, and is provided with a hole for riveting it to the skate runner. The trimmings are of oak tanned russet grain leather. The brace is attachable to any skate, and is made in but one size. For the use of children the strap is cut to the proper length, while for adults the brace needs no adjusting.



The world has need of every man, but it does not need him as badly as he thinks it does.—Ex.

France has produced a new fuel, composed of chemically soaked coal dust made into bricks.

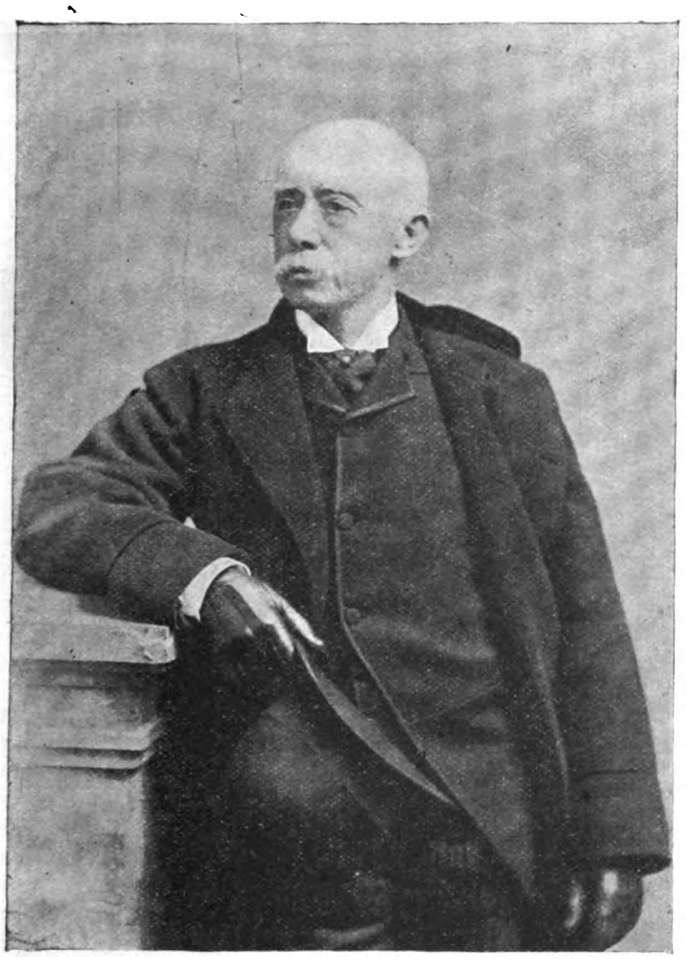
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THE HARDWARE DINNER OF 1896.

The Hotel Savoy, which overlooks Central Park and the busy scenes of Fifth Avenue, may have held within its magnificent dining room, a larger and more enthusiastic gathering than was seen there on the night of Thursday, February 20, 1896, but we very much doubt whether such has been the case.

All of the dinners given in recent years by the Hardware trade of New York, have won success in no small degree, but the culmination came in the gathering above referred to; and in all the surroundings and appointments, the dinner was the best, and in many respects the most successful of any yet recorded—with the possible exception of that initial dinner of 1892, which was the first of these great gatherings.

The entire parlor floor of the great hotel was given up to the use of the Hardwaremen, and when the first guests



PETER McCARTEE, PRESIDENT

of the evening began to arrive, at a little after six o'clock, they were met by the reception committee and members of the board of governors of the Hardware Club, whose names will be found below. By seven o'clock the parlors were filled with a large and representative gathering, and it is needless to say that sociability was the reigning feature of the hour. At a few minutes after seven o'clock, Chairman Clinch had the doors of the dining room thrown open, and a scene of unrivalled beauty and splendor dawned upon the vision of the Hardwaremen. The magnificent dining room of the hotel was banked with palms and flowers, and all the appointments were complete, and in keeping with the high reputation of that great hotel. Five tables were stretched the length of the hall, flanked at the further end by a raised dais, for the use of the officers and the guests. The gentlemen filed in, and each found his place by the use of a diagram which showed just where to go. When there, he found at his plate a handsome and artistic souvenir with his name inscribed thereon, and donated by the generous courtesy of the *Iron Age*. This was in the form of a book, the cover of which represented a door with clasps and hinges, and firmly held together by an actual but diminutive padlock, which worked at the touch of the recipient. The cover was finished in a paper resembling curly maple, and the same idea was carried out on the pages enclosed, upon which were found the lists of officers, the order of exercises, menu, etc. We reproduce here the matter upon the first cover, and the contents of the same in the order in which they appeared, as follows:

SEVENTH DINNER

OF THE

HARDWARE AND METAL TRADES,

HOTEL SAVOY,

NEW YORK, FEBRUARY 20,

1896.

SOUVENIR.
WITH THE COMPLIMENTS OF
THE IRON AGE.

HARDWARE CLUB OF NEW YORK.

Peter McCartee, president; Robert H. Swayze, vice-president; Thomas F. Keating, treasurer; John L. Varick, secretary.

BOARD OF GOVERNORS:

Eugene Bissell, Alfred D. Clinch, Charles Daly, Brace Hayden, Thomas F. Keating, James H. Kennedy, Peter McCartee, Mortimer C. Ogden, George H. Sargent, Arthur G. Sherman, Robert H. Swayze, Edward C. Van Glahn, John L. Varick, Webster R. Walkley, Richard R. Williams.

DINNER COMMITTEE:

Alfred D. Clinch, chairman, Eugene Bissell, Brace Hayden, James H. Kennedy, George H. Sargent, Edward C. Van Glahn, John L. Varick, Richard R. Williams.

RECEPTION COMMITTEE:

Robert Sickels, Chairman, Thomas J. Atkins, Terence F. Curley, James D. Foot, George J. Laighton.

MENU.

Blue Points.
Gumbo of Chicken Louisianaise.
Olives. Salted Almonds. Radishes. Celery.
Daumettes of Oyster-Crabs. Regence.
Planked Shad a la Maitre d'Hotel.
Cucumbers.
Filet of Beef a la Moderne.
String Beans au Beurre.
Bermuda Potatoes Risollse.

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French Asparagus Hollandaise.
Terrapin a la Maryland.
Sorbet en Surprise.
Roast Partridge au Cresson.
Salade Savoy.
Fancy Ice Creams.
Petits Fours.
Fruits, Bonbons. Cafe.

GRACE, - - - The Rev. Anthony Harrison Evans.
What God gives, and what we take,
'Tis a gift for Christ his sake;
Be the meale of beanes and pease,
God be thanked for those and these;
Have we flesh or have we fish,
All are fragments from His dish. HERRICK.

TOASTS.

We'll push back chairs and talk. Browning.

GREETING, - - - - - Mr. Richard R. Williams.
Great welcome makes a merry feast. Shakespeare.

PATRIOTISM AND PARTISANSHIP,
The Rev. Melancthon Woolsey Stryker, D.D., LL.D.
The ever-lustrous name of patriot
To no man be denied because he saw
Where in his country's wholeness lay the flaw,
Where on her whiteness the unseemly blot.
Best they honor thee
Who honor in thee only what is best. Watson.

OUR NATIONAL PROGRESS, - - Mr. James H. Hoyt.
That trade's proud empire hastes to swift decay.
As ocean sweeps the labored mole away;
While self-dependent power can time defy,
As rocks resist the billows and the sky. Goldsmith.

POLITICS AND BUSINESS, - - - Hon. Horace Russell.
We shall exult, if they who rule the land,
Be men who hold its many blessings dear,
Wise, upright, valiant. Wordsworth.

REMINISCENCES, - - - Gen. James R. O'Beirne.
O thou wealthy past!—Fanny Kemble.

A band in the gallery furnished appropriate music, as the guests marched in. Each gentleman stood by his plate until the officers and the guests, headed by President Peter McCartee, marched up the main aisle and took their seats at the table of honor. The location of each officer and guest may be found upon an examination of the diagrams accompanying this report.

With a rap of the gavel, President McCartee called the gathering to order, and after grace was said by the Rev. Mr. Evans, a couple of hours were spent in disposing of the more solid (and perhaps liquid) portion of the evening's entertainment, the band meanwhile from its high recess in the gallery, furnishing a musical accompaniment to the din of the warfare upon the floor below.

At 9:20 the president arose, and this was a signal for a round of cheers, with a tiger, in honor of the man whom everybody admires, and who is very close to the hearts of the Hardwaremen individually and collectively—Peter McCartee. When silence was restored, the president very feelingly referred to the loss of his honored predecessor in the office of president, in the following touching words:

IN MEMORIAM.

Our memories carry us back to-night to the many previous festivals we have had, and we think of our enjoyment on those occasions, of the friends we have met, of the faces into which we have looked, and of the hands that we have grasped in greeting and in friendship. Many eyes will search this platform for one whom we shall never see again, and who, if he were this side of the Gates of Pearl, would be standing in my place to-night. We miss his erect and manly figure, his beautiful face, his eloquent voice and the ringing sentences of his address; we miss that sense of presence which looks out upon us from the eyes of those we love, and

"Oh, for the touch of a vanished hand,
And the sound of a voice that is still."

Gentlemen, you will rise, and in silence touch your glasses with me to the memory of William Hilton Williams.

Every man arose to his feet, and in a silence which was more eloquent than words, drank to the memory of the departed gentleman, who, though young in years, had won his way into the respect and affection of the trade in all parts of the land.

AN ADDRESS OF WELCOME.

Mr. McCartee next introduced Richard R. Williams, of the *Iron Age*, whom, he said, had consented to voice the welcome of the president and the club to its guests. Mr. Williams spoke as follows:

GREETING BY RICHARD R. WILLIAMS.

Mr. President and Gentlemen: We recognize the propriety of the tribute we have just paid to the memory of one exceptionally gifted and peculiarly honored and beloved. There is no need for many words. In the hush that fell upon this assemblage as we listened to the tender and felicitous address of the chairman, I am sure that more than one of us recalled the expression of mingled sorrow and faith which was evoked by the death of Tennyson,—

"Silence here, for love is silently gazing on the lessening sail;
Silence here, for grief is voiceless when the mighty poets fall;
Silence here, but far above us many voices calling hail!"

It is pleasant to recall the personality of Wiliam H. Williams, the honor in which he was held, and the many kindly expressions which his taking away have evoked. There is, after all, much that is appreciative and unselfish



ALFRED D. CLINCH, CHAIRMAN DINNER COMMITTEE.

in the hearts and lives of practical, hardworking business men.

We should have never known him as we did, nor remember him as we do to-night, had it not been for the Club in which we were associated together, and gatherings like these which unite us in a genial, friendly and fraternal spirit. As I look around this assemblage, I am reminded how many there are, even in our craft, who are worth knowing. It is well to find the better and nobler side of a customer or competitor; to learn that he has aspirations and high principles, and home ties, and tender feelings, as well as ourselves. It tends to lubricate business, and to furnish the wheels of trade with ball bearings. There is less wear and tear to the machinery. It is more civilized and Christian. It is a fine thing to be able to say of a man as was said so truthfully of Agassiz, "where'er he met a stranger, there he left a friend." Such kindly relations elevate and brighten, sweeten and broaden life. In this spirit we mutually greet one another to-night. To this atmosphere, balmy and wholesome, I bid you welcome.

We may indeed congratulate one another on this gathering. We have the honor of having with us as our guests

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gentlemen of character and position connected with many diverse interests. There are at this board men who occupy high places in divinity, in jurisprudence, in journalism, in finance, in commerce—men prominent in civil and military life. There are here honored representatives from sister associations, who dignify this occasion by their presence, and to all these in your behalf, I extend a cordial welcome.

But looking upon this as a trade gathering, permit me to say that this dinner, like those which have preceded it, possesses the unique distinction of bringing together the largest representation of manufacturing and mercantile interests connected with the Hardware trade, to be found anywhere in this country or in the world. There are many here whose names are as household words through the length and breadth of the land. There are manufacturers and merchants present, whose wares go out to the ends of the world, on the products of whose factories the sun never sets. There are those here who have accumulated great fortunes, and more than one of whom it is true as was said of a Boston merchant a generation of two ago: "He has the fortune of a prince, but a heart as much larger than his fortune as his fortune is larger than a beggar's." There are some here who are looking forward to the time when they can make a similar comparison between the extent of their possessions and the tenderness and nobility of their hearts. Others, however, can sympathize with the good wife who said to her faithful husband, "It is hard, George, isn't it, to be poor;" and with George when he said, "Yes, my dear, but not half so hard as to get rich."

I was unable to understand why the president commanded me to make this greeting, until this afternoon, when I read of a minister in Kentucky who was universally known as the "satisfying preacher." Whenever a church became dissatisfied with its pastor, or a vacant church was perplexed in the presence of a multiplicity of ministerial samples, they sent for this minister. After they had heard him, they were delighted with the next man that came along. In comparison with his the longest and most tedious sermon was crisp and short. If the gentlemen who follow me seem to be eloquent, if they marshal facts and figures with a masterly skill, if they touch your hearts with pathos, if they make you laugh until your sides ache and the tears come, you must give me some of the credit.

Gentlemen, I bid you welcome to this feast, the best of which is still to be served, in the name of the genial, accomplished, popular president of the Hardware Club, Peter McCartee.

At the conclusion of Mr. Williams' address, which was heartily applauded, the president introduced the first toast of the evening in the following words:

"PATRIOTISM AND PARTISANSHIP."

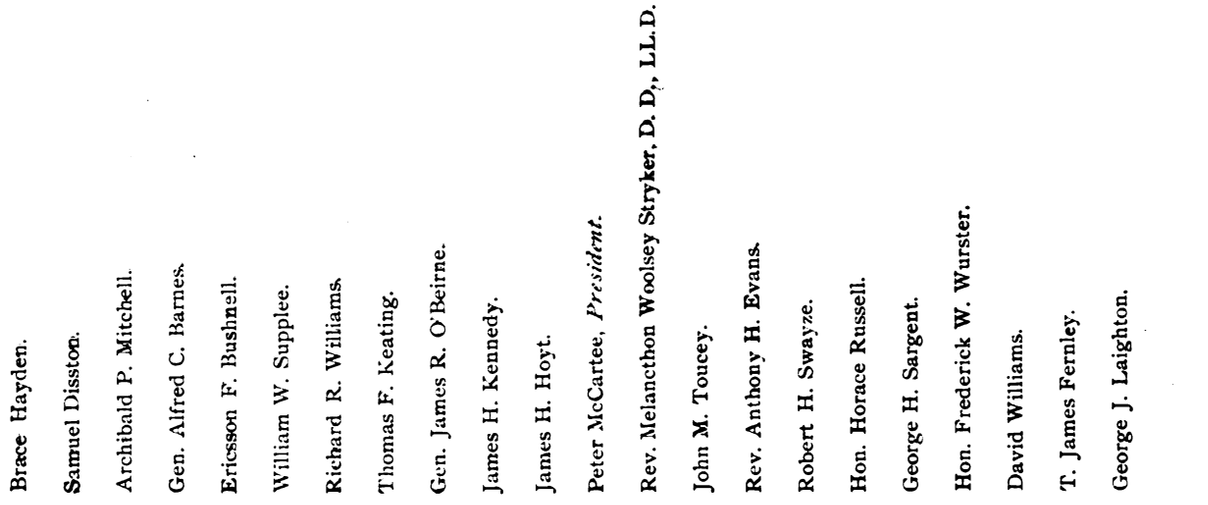
We are honored tonight by the presence of one who comes from a venerable and famous institution of learning, from whose classic halls, during its long history, have passed multitudes of men splendidly equipped for the battle of life, and who have been an honor to the State and to the nation, and I am confident that when the gentleman shall have finished his address to us, that our patriotism will burn like a flame, and our partisanship shall be remitted to the darkest shades of oblivion.

Permit me to introduce to you the Rev. Dr. Stryker, president of Hamilton College.

DR. STYKER'S ADDRESS.

Mr. President and Fellow Citizens: It was a remark which I have seen attributed to Sydney Smith, upon his leave-taking with a departing missionary, "Sir, I hope you will agree with the man that eats you!" It always struck me that the indigestibility of Jonah must have been instructive to that fish whose hospitality was so unsuccessful and so brief. Both the monster and the medicine must have had wiser notions as to quick sails and small prophets.

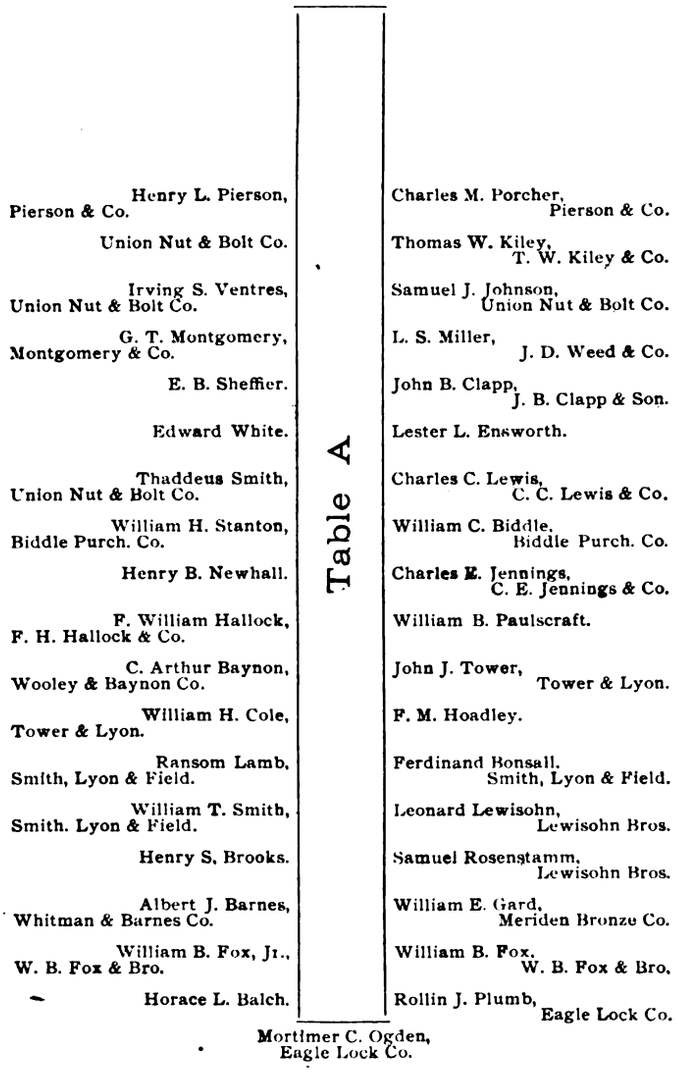
A little while ago I talked behind a table in this city and did not finish until the next day! The presiding officer intimated that I was the last man who should speak that night, and he was right. I began by congratulating those who had already left and then asked leave to print. I would say to my fellow morsels who are so appetizingly displayed at this counter, that I know what it is to hold my thumbs and wonder if there is to be any time left. I am credibly informed that the Holland Society is responsible for first running a dinner with a windmill. The fluidity of the Dutch republic may have much to do with the fluency of which we are now in the habit at several dollars a plate. Men used to take naps as an aid to digestion, now they hear speeches. Let us make the most of it while it lasts. The next thing will be something else. The peerless lay-preacher, who, in his less occupied moments, presides over the only four-track road in America, is one of the chief sponsors for this decade of ventriloquism. All of us can admire where none can emulate his scintillating facility. Not pretending to offer you anything so stimulating in its effervescence, I would try to persuade you that Appollinaris is as good and even better, if you only think so! I am a preacher and a college professor. There are some who are ready to assume that preaching and teaching make a man an impracticable, a spinner of theories without real relation



CHAIRMAN AND GUESTS.

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to average and actual affairs. If there are those here who think in Mr. Huxley's polite phrase that preaching is "lunar politics," and that a college is a school of cranks, I will not challenge them nor argue the point. I am a man. I am an American. I am a citizen. I trust that I am a Christian. These grounds are solid leverage for my present purpose. From them I speak, and from these I say that he is no true minister who is not evermore busy to show how all desirable good rests in the recognition of ultimate principles, and is not urgent to compel all matters of custom and practice to testify before the grand jury of conscience. And I say again that any college abuses its opportunity if it does not seek to inspire its every student with generous ideals and to base him broad and strong with the conviction that his better training is a holy trust for larger manhood and for the most resolute, intelligent and active citizenship. It is

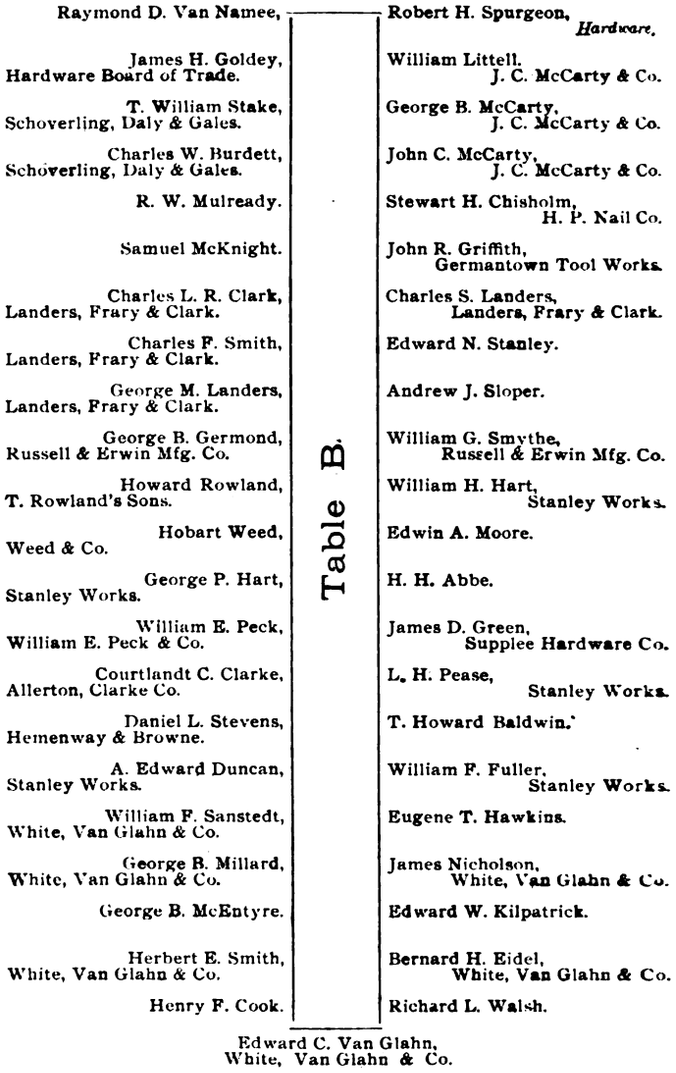


the human duty of us all, whatever our antecedents, our attainments, or our occupation, to help make this a larger and pleasanter world for every man that is in it. We can only do this as our love steadily becomes more dominant, and as we more and more widen our comprehension of that high relationship in which all men are kin. Not the word my, but "our" begins the Lord's Prayer. The man who prays:

"Lord, bless me and my wife,
My son John and his wife,
Us four and no more, Amen."

that man does not pray at all, and, preaching though it may be, I say that a man who does not pray does not live! In this State, which holds the ashes of John Brown, in this city, which keeps the dust of Alexander Hamilton and of Ulysses Grant, you are assembled in the name of a common business interest. This dinner emphasizes a commonalty and co-operativeness of purpose. I urge that it is what men have in common and not in severalty that fulfils their life. That which unites men is normal, that which sunders them is abnormal. It is not because we are States, but because we are United States that we are a nation. But real union can not be an external device, it must be an inward truth.

In my eagerness to affirm a great principle, as wide as all life, and comprehensive of all human relation, I am aware of my peril of becoming too abstract. An aged woman in Alabama was, with her husband, taking a first ride on the cars. Her wonder and anxiety increased with the speed, until at the height of her astonishment and fear, the train struck a long and high trestle. With a scream the woman bounded to her feet and clutched the seat-back before her. To her trembling obliviousness of all else it seemed that the cars had leaped into space. In a brief moment the train was on terra firma once more. With a happy shout, heard through all the car, she cried: "Thank heaven, she's lit



again!" Gentlemen, if for a little here and there, I seem to you to be in the air, I assure all who have tickets for this trip that I shall try not to leave the rails!

What is partnership? It is identification with a part. A party is a section. To see no more than a part is to ignore the whole. A part is a part only. The sum of parts is the true goal. A part divorced from its fellow parts is a part no longer. Your arm wrenched from its body is not your arm! Parts and parties are means, partnership is the end. The vice of selfishness is in its isolation from a common life. Secession is centrifugal—the atom resenting the universal law of unity. In the heart it is hate, in the life it is war, in essence it is hell. The bane of partnership in whatever realm and to whatever scale is in its arbitrary exclusion of relation. The word idiot is from a Greek adjective meaning selfish. It is an introspection which becomes mental blindness. Individuality, by exaggeration, becomes insanity. Give and take is a law of a balanced life. A year ago

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Senator John Sherman rose in his place to insist that "measures for the relief of the treasury should be viewed from a higher standpoint than partnership," and he said: "If I were to think of party or party advantage in proposing legislation to protect the government credit, I would be guilty of violating my oath of office." Yes and Amen. But if that be true, where does it not reach? Well may we pray in such days as these, in the words of the Psalm, that God would "teach our senators wisdom" of that sort! In Congress or out of it, he is false to his country who is a partisan first and a patriot afterward. All of us are guilty of a treasonable narrowness who prefer tactics to truth. It is ungenerous and degrading to refuse to recognize the excellences and persistently to impugn the good faith of those who differ from us in their philosophy. The bonds of civil life and of national loyalty are strained and broken when we vituperate our magistrates merely because they did not have the preference of our votes. Two things debauch our politics—one is money, the other is acrimony. We are all of us too much Tillmanized.

As long as we consent to send mere party men and not statesmen, to make our laws, so long will bitterness and sectional advantage override considerations of that weal which ought always to precede the prestige of a clique. We are all too much the constituents of a false theory, and we pay the penalties. A little tyrant, three years old, was kicking and screaming at his nurse. It was on the cars, and the passengers all longed to spank the little autocrat. He wanted a wasp that crept on the window sill. He tried to take it. The nurse caught his hand and said coaxingly; "Harry mustn't touch. Bug bite Harry." Harry screamed savagely and began to kick and pound the nurse. The mother, without opening her eyes or lifting her head, cried out sharply: "Why do you tease that child so, Mary? Let him have what he wants at once." "But, ma'am, it's a——" "Let him have it, I say." Thus encouraged, Harry clutched at the wasp and caught it. The scream that followed brought tears of joy to the passengers' eyes. The mother awoke again. "Mary," she cried, "let him have it." Mary turned in her seat and said, confusedly: "He's got it, ma'am."

"When that we in our viciousness grow hard.
The wise gods seal our eyes, make us adore
Our errors, and strut to our confusion."

The braggart spirit anywhere is absurd. Some little school girls (it is chronicled of Chicago) were discussing their clothes. "I've a lovely new dress," said one, "and I'm going to wear it to church next Sunday." "Pooh!" said another, "I've a new hat, and I'm going to wear it every day." "Well," said a third, "I've got heart disease, anyway!" The two were mute with envy. She was a Populist! Must minorities always be truculent and majorities always be insolent? Yes, while party is put above principle. No, when that infamy ends. Unless one is willing to be a mere political fashionist whose german-silver principles, like those of Bunyan's By-Ends, are at once harmless and profitable, he may not prefer clique to character, and a mean success to an honorable defeat. He must not confuse pro party and pro patria, nor bow and cross himself at the beck of a civil ultra-montanism that would mother devotion by ignorance; but must protest, though he be but one contra mundum, and vote as though it were a sacrament. Better "vote in the air" than vote in the mud! When the air is full it will snow victory. To heed that brazen and bitter cry: "Party, right or wrong," disgraces the soul and sears the vision. Nothing is more immoral, more fatal to personal honor, than to succumb to that social coercion, which has lost most of its terrors for men whose

Table C

Ernest F. Eilert, Iron Age.	John S. King, Iron Age.
Harry C. Mabie, Iron Age.	Lewis C. Dawes, Metal Worker.
Geo. N. Jacobi, Reading Hardware Co.	M. Harbster, Reading Hardware Co.
Douglass F. Maltby, Maltby, Henley & Co.	Frederick L. Stellwagen, Reading Hardware Co.
Edmund A. Parker.	Charles P. Sherwood.
William I Henley, Maltby, Henley & Co.	William M. Sperry, Sperry & Alexander.
Henry T. Seymour, Henry Seymour Cutlery Co.	William M. Oddie.
Terence F. Curley, J. Curley & Bro.	Charles J. Healy.
Hugh McCaffrey, McCaffrey File Co.	Clarence I. Markham, Cleveland Twist Drill Co.
John J. Teeple, VanWagoner & WilliamsHdwCo	Christian T. Stork. [Co. Van Wagoner & Williams Hdw.
Geo. W. VanTine, VanWagoner & WilliamsHdwCo	Cornelius S. Van Wagoner, [Co. Van Wagoner & Williams Hdw.
Robert C. Hopkins, Dunham, Carrigan & HaydenCo.	George H. Clowes, Randolph & Clowes.
William F. Donovan, Yale & Towne Mfg. Co.	Randolph & Clowes.
Henry R. Towne, Yale & Towne Mfg. Co.	Olney Arnold, II, American Screw Co.
Fayette R. Plumb.	Francis B. Griffin, C. E. Jennings & Co.
Frederick Topping, Topping Bros.	Alexander Maitland.
John Bertram, Topping Bros.	Augustus Gaylord.
Frank H. Thompson, Stanley Rule & Level Co.	Charles F. Wiebusch, Wiebusch & Hilger.
George F. Wiepert, Sargent & Co.	Thomas J. Atkins, Sargent & Co.
James Jessop, W. Jessop Sons.	Joseph Gales, Schoverling, Daly & Gales.
William W. Glover, Underhill, Clinch & Co.	Arthur H. Watson, Nicholson File Co.
Samuel M. Nicholson, Nicholson File Co.	George Munson, Sargent & Co

Alfred D. Clinch,
Underhill, Clinch & Co.

Table D

A. J. Barnett, The Iron Age.	Edward H. Darville, The Iron Age.
The Iron Age.	Charles C. Taintor, The Iron Age.
John E. Humason, Humason & Beckley Mfg. Co.	Virgil P. Humason, Humason & Beckley Mfg. Co.
Francis B. Thurber.	Pierre LaCoste, W. R. Grace & Co.
Ashbel P. Fitch.	Louis A. Tranberg, John Chatillon & Sons.
George H. Chatillon, John Chatillon & Sons.	Louis Schreiber.
George G. Schaefer.	Julius Forstmann.
F. S. Lauter, Shelton Co.	Daniel S. Brinsmaid, Shelton Co.
Frederic N. Benham, Shelton Co.	Ira E. Douglass, Shelton Co.
E. DeForest Shelton, Shelton Co.	Charles E. Clark, Shelton Co.
Thomas R. Towne, Union Drawn Steel Co.	William H. Hanna, A. F. Brombacher Co.
Augustus F. Brombacher, A. F. Brombacher Co.	George H. Brown, Gilbert & Bennett Mfg. Co.
W. A. Kendrick.	Augustus Colson.
Walter L. C. Glenney, G. S. Mix & Co.	William R. McCullough, [Co. Turner, Day & Woolworth Mfg.
Richard L. Walker,	William Bishop, P. & F. Corbin.
Charles Putzel.	Henry S. Walton, Stanley Rule & Level Co.
Fred. I. Simpson.	Otis N. Everett, Samuel Winslow Skate Mfg. Co.
Charles Loeb.	Henry M. Lyon, Sickels, Sweet & Lyon.
Samuel E. Winslow, Sam'l Winslow Skate Mfg. Co.	Ernest M. Hulbert, Cortland Screen Co.
Robert Sickels, Sickels, Sweet & Lyon.	Thomas F. Burgess.
Winthrop Parker.	James D. Foot, Kearney & Foot Co.
George H. Ismon, Salem Wire Nail Co.	Frank Baackes, Salem Wire Nail Co.

Arthur G. Sherman.

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spines are not bits of wet string—mere boneless marrow, but which has so long ostracized independence, and in the name of Cæsar usurped the things of God. Softening of the back is as deadly as softening of the brain.

"Where none will sweat but for promotion," when demagogues "make nice of no vile hole to stay them up," when legislators are often so notorious that self-respect must pray—"unto their assembly mine honor be not thou united," when "the most upright is as a thorn hedge" (combing wool from every passing sheep) taking toll both ways, while the indirect but debauching bribe of patronage would make office but a carcass for the swiftest vulture, when truth is about to be recrucified between two thieves, no decent man can wash his hands with Pilate and say "I am innocent, see ye to it!"

Of course statesmen like Demetrius, the silversmith,

Table E

Frank S. Pilditch, S. & C. Wardlow.	Richard P. Rothwell Engin'g and Minfng Journal
Chas. D. McKelvey.	E. M. Bushnell.
George W. West.	Herbert H. Vreeland.
Frank S. Gannon.	Frank W. Coolbaugh.
William D. Ewing.	Robert B. Campbell.
W. C. Alderson.	Chas. H. Boaz.
Harry Meany.	Carl Otto Peters.
George Poggenberg	William Witte.
Arthur H. Kennedy.	Robert Vom Cleff, Vom Cleff & Co.
William Schlemmer, Hammacher, Schlemmer & Co.	Edward P. Reichhelm.
Hermann Bielefeldt, Hammacher, Delius & Co.	John J. Halpin, Smith & Egge Mfg. Co.
Andrew W. Milligan, Miller, Sloss & Scott.	Wm. R. Hill, Mallory, Wheeler Co.
V. C. Brown, Miller, Sloss & Scott.	Thomas Laing, Miller, Sloss & Scott.
J. L. B. Holme, John H. Graham & Co.	J. Clancy Smart, John H. Graham & Co.
Ralph H. North, North Bros. Mfg. Co.	George A. Rogers, H. A. Rogers.
Wm. A. Graham, John H. Graham & Co.	Robert J. Johnson, Henry Disston & Sons.
Wm. S. McKinney, McKinney Mfg. Co.	Geo. A. Graham, John H. Graham & Co.
S. R. Slaymaker, Slaymaker, Barry Co.	John J. Jennings, New Departure Bell Co.
Winfield D. Walkley, Peck, Stow & Wilcox Co.	George L. Irvin, Carlin & Fulton.
Webster R. Walkley, Peck, Stow & Wilcox Co.	

seeing the craft by which they have their wealth in danger to be set at naught, will raise the specious cry, "Great is Diana!" Honest citizenship will be resisted, claw and tooth, by those "whose mouths (as Lowell said) are filled with the national pudding, or watering in expectation thereof." All the more must it withstand and smite that lust of spoils which would wreck the stateliest cause to make flotsam and jetsam of every public trust from president to poundmaster. The belly of the great machine "teems with armed men!" Left alone within the walls, they will after dark do all their fell intent. In our own Troy, that revolver at the polls, finding its victim, was a danger signal that only deaf souls can forget. Party, at any price, is that which degrades government, and with its malaria poisons us all! The breath of that spirit is pestilence and its touch is corruption.

Must it ever be a task of Sisiphus to rescue the primary from that exploitation by hucksters which makes the individual citizen but a blank proxy? Shall platforms always be mere verbal expedients—a declaration of purposes whose quotation after the polls close is considered to be a roaring farce? Are we always to be fed on platitudes? Is the originating force of these costly campaigns, which ought always to advance the lines of loyal purpose, to lodge in the councils of honest and earnest citizens fairly and freely assembled, or in the back office of self-appointed and power-stealing bosses, who with equal facility slit the throats of cities and blackmail their eitizens? When the primary and the caucus and the convention are cajoled, intimidated, packed, perverted, they cease to become representative, and only rivet the shackles upon those who in their surrender to an insolent arrogation of proprietorship reduce themselves to servility and moral impotence. It is an imprudence that makes the average voter a puppet. Dr. Jekyll becomes Mr. Hyde. The voice is Trilby's, but the song is Svengali's. The auction of the voter is completed in "the sale of law." Moral inertia, Lotus-eating indifference, crass selfishness, a materialistic and mercantile theory of life, these things "tend downwards, justify



REV. M. W. STRYKER, D. D.

despondency, promote rogues, defeat the just," and will as long as voters consent to be done up in express packages and delivered c. o. d. Whoever that possible nominee of 1896 may be whom these steerers are least for, I am most for. How the municipality problem lowers with portent, in all its subordinate details of drunkenness, lechery, bribery, simony, and sleek coupon-cutting apathy. Kill me that last and I will render you the heads of all the rest!

When shall we resist the blackmail and duress of underlings and send truly representative men to the councils of the nation? Think of a State that owned a George William Curtis, that contains a St. Clair McKelway and an Elihu Root, persistently preferring some of the second-rate partisans who have strutted about in the United States Senate! I would that I could make these words strike and detonate like percussion shells! We need unconditional men, indomitable souls, who shall echo to all that would trammel them into mediocrity that word of the cavalier to his mistress—

"I could not love thee, dear, so well,
Loved I not honor more."

Never did a time more need noble leadership. Must we always mock our living prophets, and ever be lamenting a

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dead Lincoln? Must the witchcraft of foul selfishness always stupefy us with its incantations? Worthy thought will be incarnate in worthy men when we summon such. As yet we do not seek them. We consent to partisan dishonor. All peoples have as good a government and as good governors as they demand, no better. All improvement begins in new convictions. The best things are offered only to the best men. Our theory confronts us with our condition. At present sectionalism and class legislation hold us up at every turn. Localism laughs at the general good. We think that law can repeal arithmetic. A great mob of inflationists cries for more money. By an artifice it would set a fictitious value upon silver and ask the world to believe that 50 cents is 100. At that rate all the silver of the world would come in here by telegram "at our expense." Why not declare that a bushel of wheat is a dollar, that a barrel of oil is two dollars, build elevators and tanks, take the whole product and offer warehouse certificates for these stores as money at this fanciful rate? Money has either an intrinsic value or an extrinsic. These are not to be confused. I do not object to a metal—I object to a ratio that is a lie. "Sixteen to one" is obsolete. To have two values for a dollar is such a fatuity that I feel like the preacher who, standing in the pulpit of a son who had gone daft over ecclesiastical millinery, took for his text, "Lord, have mercy upon my son, for he is a lunatic!" Inflation is balloonacy. A nation which in two supreme crises so grandly determined to be free, shall never blandly consent to be dishonest; which in such a seven-heated furnace learned the sixth commandment and the seventh shall not repudiate the fourth at the bidding of rum, nor the eighth at the bidding of silver mines. At last the tenth shall round into the first, and "Thou shalt not covet" shall touch "Thou shalt have no other God." Happy is the people that is in such a case! How far class envy can go is shown in the artificial provisions of that preposterous inter-state commerce act which at present is prostrating the greatest industry of the land, flinging scores of roads into the hands of receivers, and robbing the incomes of numberless employes and of widows and orphans whose savings are slaughtered. Its provisions are mainly based upon an envious theory which is both sumptuary and socialistic.

But I forgot that I am only a country parson, and I preach too long. I will speak of patriotism. Pater means father, the Patria is the fatherland. Patriotism is brotherhood, and it has no limits. A family that seeks only its own advantage is a curse to a community. A nation that seeks only its own good is a curse to the world, and ultimately to itself. Shall there ever be a truly Christian nation? Does liberty only mean "our liberty?" If the ethics of the gospel are not fit to be national, they are not fit to be personal. But how many nations have learned the ten commandments, let alone the beatitudes? Patriotism is but a geographical partisanship if its ideals are unfraternal to mankind. Too many in their handling of that word illustrate what the recent *Century* has described as "the effect of a large idea upon a small mind." "Make me pure," prayed a little girl; "make me pure as baking powder." We have lately been discussing the merits of Royal baking powder and Cleveland's. But the question which of these contains the least alum and the most force is not so important as that we should seek to have all the world join us at the knees of God in that petition: "Give us this day our daily bread!" Partisanship is sectional. Patriotism is national; nay, it is international. Whatever may be my secondary and subordinate relations, primarily I am a man. Anything less than the whole cause of mankind is secession from God.

"The peoples, Lord, the peoples,
Not thrones and crowns, but men."

"Have we not all one father?" As patriotism is above party, so is humanity above diplomacy. "Let not thy country (said fine old Sir Thomas Browne)—let not the law of thy country be the non-ultra of thine honesty." (R. M., p. 185.) What are the questions of Venezuela and the Suez Canal, what is even the harsh question of Cuba, by the side of the world disgrace over Armenia!

Thank God the American protest has been made. Shame to England that her tumescent Lord Salisbury passes by on the other side. Shame to all alleged Christian nations that there is not a new crusade to abolish that hideous and piratical power whose cimetar is the corrolary of its Koran. Oh, for another Cromwell, Peter the Hermit, Charles Martel, to smite utterly this cruel absolution. Oh, for another Cœur de Lion. What is an empty sepulchre whence the Lord of Life is risen to the perishing thousands for whom he came! God of armies, bare thy holy arm against that livid, curdled and putrescent misgovernment that sets its crescent above the city of Constantine and seduces nations to forget that watchword of the cross, "In hoc signo vinces." How can any sneer at the brave words from Washington that invite a new holy alliance against that malign despotism? There might be a thanksgiving dinner of the world if Russia and England would cease their flatulent haggling over the wishbone! I for one am grateful for that pertinent apothegm of the *Brooklyn Eagle*—it was indeed Eagle-eyed—"What is fundamentally right is also profoundly wise!" Oh, the cowardice of the ledger and the bank book—"letting I dare not wait upon I would!" It refills a religious cult, emptied of Christianity, with that old exclusive provincialism which slew Christ, and makes his house of prayer for all nations into a stock exchange.

Gentlemen, America is providential. She is adapted to be the almoner and arbiter of nations. Let us interpret destiny by duty, and honor by service, and opportunity by responsibility, and so—

"Set up a mark of everlasting light
Above the howling senses ebb and flow,"

that we shall enter into the task and so alone into the triumph of the Son of Man! Vox recti populi, vox Dei.

Let us lift the non-partisan, the truly patriotic standard both of national righteousness and of a world-wide sympathy of the true partnership of man under the paternity of the one God. Let Rome stand for force and statute, Greece for culture, Germany for learning, France for art, England for diplomacy and aggrandizement, all these for war, and we, in God's name, for character, for international and super-political justice, for real freedom, and for the ever-nearer dominion of the Prince of Peace.

Domain, ancestry, heritage, however much, we are not merely to follow, but to fulfil our fathers, "God having provided some better things for us, that they without us should not be made perfect!"

Dr. Stryker's admirable and patriotic address was listened to with the closest attention from beginning to end, and he was compelled to suspend his speech at a number of points, until the applause in endorsement of his ideas had died away.

WORD FROM THE ABSENT.

The president then read the following dispatch, which, he said, had just been received that afternoon:

"BUENOS AYRES, February 20, 1896.

"Peter McCartee, President of the Hardware Club: A thoroughly enjoyable and successful evening is the wish of one who, though far away, is with you in spirit.

"J. L. VARICK."

Mr. Varick, it is needless to say, is the popular secretary of the club. If he could have heard, in his far-distant stopping place, the cheers with which his good wishes were answered, a flush of pleasure would have mantled his attractive features, and that heart of his, which is always beating with goodwill for his fellow man, would

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have slipped a cog, and increased its number of pulsations in an alarming degree.

Mr. Bushnell, who is always in demand at the Hardware dinners, was next introduced, and by request favored the audience with that old standby which he has always so magnificently rendered, "Rocked in the Cradle of the Deep." Of course the audience would not permit him to be seated with one attempt, and it was also a matter of course that he should respond with that other favorite which the Hardwaremen always demand from him—that old German drinking song, "Down Deep Within a Cellar."

President McCartee introduced the next speaker in the following felicitous manner:

"OUR NATIONAL PROGRESS."

The subject of this toast is so immense in magnitude and scope, that any remarks from me would be superfluous, in the presence of the able and distinguished gentleman who will respond to it. Allow me to introduce to you Mr. James H. Hoyt, of Cleveland, and the next Governor of Ohio.

Mr. Hoyt certainly had no occasion to comment upon the lack of cordiality on the part of New York, where his fame



HON. JAMES H. HOYT.

as an original after-dinner speaker, and a genial all-around friend to everybody, had preceded him. He was received with a round of applause, and his speech was interrupted a great many times by a repetition of the same marks of favor. He was listened to closely, and his very strong argument in favor of America and American interests, made a marked impression upon all present, and when he had finished, each man felt more proud than ever that he had been born in the land of the Stars and Stripes. Mr. Hoyt said:

HON. JAMES H. HOYT'S ADDRESS.

In comparison with the thrilling and inspiring story told in the census of the United States, the tales of the "Arabian Nights" even become tame and uninteresting. In the short life of the great republic there has been more of substantial and magnificent achievement; more of startling and bewildering transition; more of sudden and yet solid growth, than Queen Scheherezade, with even her Oriental and opulent imagination ever dreamed of. We are all Aladdins and have our Genii, quick and willing in service and mighty in performance. A resident of Chicago rings a bell and straightway his friend in New York whispers in his ear. One in Cleveland writes a note and in a few moments his familiar, and perhaps illegible, handwriting is scanned by his correspondent in distant Boston. That which lurks in the innermost and shyest recesses of one's being is exposed by the aid of the cathode ray. Death lays his paralyzing hand on the lips of a loved one; but a lever is moved and the dear voice speaks to us again. An electrical device, with an accuracy that never fails and with an energy that never tires, does our counting for us. A type-setting machine, with an almost human intelligence and with a superhuman exactness, does the work of a score of printers. There is a hum and a roar, and a huge roll of blank paper is transformed into thousands of chronicles of the world's daily doings; all printed and illustrated and pasted and folded by machinery. Every day we are enlightened with information gathered from the remote corners of the earth. Africa is just around the corner, and the Ultima Thule is but across the way. We listen to the gossip of the Vatican. We are thrilled by the excitements of the great commercial exchanges, where fortunes are made or lost in an hour. We hear the debates in legislative chambers. We are told of the conclusions of prime ministers, and share in the counsels of cabinets. If a queen weeps, in a few hours the humblest citizen knows the cause of her sorrow and can sympathize with her. If a kaiser has a colic at midnight, we know the next morning just when the mustard plaster was laid upon the august abdomen by the imperial physician and when the internal was exchanged for an external pang. Every morning all that is new or interesting or instructive, and much that is horrible, lies before us on the breakfast table. The man who is not intelligent in this year of our Lord is so for lack of inclination and not for lack of opportunity. The very foundations of the earth are shaken by the pulsations of the mighty mechanisms that do our bidding and render us essential service. What were luxuries a little time ago are now necessities. A thousand devices minister to our comfort and convenience. Space is annihilated and the whole world is joined in one mad race against time. We no longer walk, but ride bicycles. We are quickly carried in electric cars. We can enter a carriage, and, by turning a wheel, take an airing without a fear that our steed will get his tail over the lines.

"That which is now a horse, even with a thought,
The rack dislimns and makes it indistinct."

The miracles of yesterday have become the commonplaces of to-day. What has happened we know not; but what will happen, who can tell? This is no time for skepticism, for all things seem possible. The world owes more to American inventors than to those of any other nation, and our amazing progress has in large measure been due to their tireless efforts and clear brains. The producer is a benefactor.

But, again, in a hundred years, the thirteen original States have multiplied into forty-five, and the aggregate of their population has swelled from three million to a grand total of nearly seventy millions. There are very few drones in our national bee-hive. Nearly one third of all our people are engaged in what the statisticians call the gainful occupations. In ten short decades, from a community of farmers, we have become the greatest manufacturing nation on the globe, and a manufacturing nation means an independent nation. Thanks to the stimulus of a protective tariff, our industries have become diversified. In 1890, we had two millions more active workers than we did in 1880, and in that same year we paid out in wages, in round numbers, thirteen hundred millions of dollars more than we did at the beginning of the decade. This is an age of iron and steel, and we rank first among the iron and steel making countries of the world. In 1890, we produced over thirty-four per cent. of the world's entire product, and in the same year Great Britain, our sharpest competitor, manufactured only

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a little over twenty-nine per cent. The star of the Republic is waxing, while that of her great rival is waning.

But, again, the United States of America is first in agriculture. She not only feeds her vast army of consumers, but has a mighty surplus to send to the hungry of other lands. Valuable as are her manufacturing interests, her agricultural interests must not be disregarded or forgotten, for that was a wise notion which Gulliver, the Brobdingnagian, entertained:

"And he gave it for his opinion that whoever could make two ears of corn or two blades of grass to grow upon a spot of ground where only one grew before would deserve better of mankind, and do more essential service to his country, than the whole race of politicians put together."

We may confidently expect that we shall some time wrest from England her supremacy on the seas and that the stars and stripes will float again in every port. In 1892, the year before the financial cyclone struck us, we built in America ships with a total capacity of three hundred and fifty thousand tons, a far greater tonnage than England built that year. Vessel building on the Great Lakes has received a tremendous impetus. Our shipyards are now engaged in the construction of vessels with a capacity in the aggregate of more than sixty thousand tons. The city of Cleveland is the largest ship building center in the United States. May the day not be far distant when America is mistress of the seas.

The progress of the Republic in power and in glory has excited not only the wonder, but the despair of the Old World—its wonder, because our people, whether native or foreign born, strengthened by the elixir of freedom, stride farther in decades than other peoples do in centuries; its despair, because the success of this Government has sounded the knell of despotism, threatened the destruction of hereditary privileges, and shaken the throne of every monarch in Europe. Thinking men abroad are beginning to simply endure sovereigns, rather than to adore them. The worship of royalty is no longer in fashion, except, I regret to say, among a few Anglo-maniacs in America. The doctrine of the divine right of kings is well nigh forgotten, and the grander, truer notion of the divine right of the people has taken its place. It was only little more than a century ago that the flag of the infant republic, founded on the then untried and unproved principle of man's equality before the law, was first flung falteringly to the breeze. It was a banner then of hope and not of glad assurance, of promise and not of fulfillment; it was an emblem of an untried, unknown future, and not of a safe and glorious past. But, to-day, it represents far more than an inspiration, however lofty. It waves now, thank God, for a fact, great, inspiring, immutable, incontrovertible. While and wherever it floats, the grand truth that the plain people can be trusted to govern themselves cannot be denied, because in one short century the government they have established and maintained has become the most powerful of all.

A man once came home in a very ugly frame of mind and began kicking the furniture and generally upsetting things. His wife said to him, "My dear, what can be the matter?" "Brown called me a liar," he replied." "Well, my dear," said his wife soothingly, "never mind; of course Mr. Brown cannot prove it." "But he has proved it," angrily answered her husband, "and that's what makes me mad."

Proof is sometimes extremely disconcerting and, indeed, disheartening. Those who foretold the early downfall of the Republic have been answered by the inexorable logic of events. The Government of the United States has firmly withstood shocks which would have overthrown empires and demolished thrones. Each decade has made its history more glorious. Through four long years of strenuous civil strife its flag was borne aloft and, at the end, floated undimmed by the loss of a single star. When Lincoln, the greatest and most beloved of leaders, was untimely stricken down; when the lamented Garfield was assassinated, their constitutional successors took up their interrupted tasks without so much as an objection. A disputed presidential election was settled by a peaceful tribunal. As the Republic has withstood so much, it may reasonably be expected to yet withstand. Because of what it has endured, we can hopefully believe it will still endure. In every darkest hour its patriotic citizens can confidently exclaim, with the eloquent and lamented Ohioan, "God reigns, and the Government at Washington still lives."

The stability of the Republic is more significant and remarkable when we consider the varied and apparently heterogeneous elements entering into our national life. You remember what the poet says,—

> "America! half brother of the world,
> With something good and bad of every land."

Our country embraces within its borders people of divergent environments, of diverse pursuits, of different nationalities, and those who are subjected to climatic influences as powerful as they are unlike. It might almost be said that we Americans are representatives of different nations, and yet, in a very broad sense and in a very real sense, we also represent one common country. Some have been born under the brilliant skies, in the fragrant atmosphere and amidst the rich vegetation of the tropics; others in colder regions, less fertile perhaps, and where Nature is less bounteous; others still on the bleak hillsides farther north, in New England for example, where vegetation is so meagre that, if rumor be correct, those who dwell there are obliged to file down the noses of the sheep even in order that they may pick out the scanty blades of grass struggling for light and air between the granite boulders. Some dwell in teeming, populous cities; others in virgin regions, the wealth and development of which are all prospective, the history of which is told only by the solemn whisperings of the forest primeval, written only on the scarred faces of the mountains and on the swelling bosoms of the trackless plains. Some live under warm, some under neutral, some under cold, skies; some in climates equable, constant and favorable; others in climates capricious and inconstant. Some are Catholic and some are Protestant. One speaks in vivacious French, another in liquid Italian, another in musical Spanish, another in the more resounding German, another in harsh yet vigorous English, and another in that English, enriched and softened by a touch of the brogue. Tillers of the soil, delvers in mines, workers in mills and factories; all the various pursuits of life, "all sorts and conditions of men," are represented here. The civilization of America is composite; its national life is a mosaic. In it can be traced the stateliness of Spain, the versatility of France, the persistence of Germany, the thrift of Holland, the impulsiveness of Italy, the sturdy endurance of the Anglo-Saxon, the courage, the wit, the dash, the fire, of Ireland. Yes, there are truly differences between us citizens of America; but these very differences, so marked, of soil, of climate, of religion, of language, of pursuit, of descent, of characteristics, somehow do not tend to divide or separate us, but to unite us the more closely rather, since they all help us to realize the vastness of our common domain, the grandeur of our common present, the dazzling possibilities of our common future. But these differences emphasize, also, the truth of the great principle of equal rights on which this government is founded. It is because of this controlling principle that people so diverse are so firmly bound together. We may dispute sometimes among ourselves, but we will brook no interference from an outsider. We Americans respect our rulers, because we ourselves make and unmake them. We obey the laws, because we enact them, and our servants

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enforce them. The Republic of America is stable, because—

"Broad, based upon her people's will."

We revere the constitution, because we, the people of the United States, adopted it, and because it was so adopted, among other things, in order "to secure the blessings of liberty to ourselves and our posterity." It is indeed true, as the poet has it,—

"Time's noblest offspring is the last."

Mr. McCartee then introduced Hon. Horace Russell as follows:

"POLITICS AND BUSINESS."

I know nothing about politics, and many of my friends here to-night may say that I know very little about business, but I have the honor of knowing Judge Russell, who has been an able and an upright judge; he is an honored and valued member of the Hardware Club, and the best introduction that he can have to this company is his own



HON. HORACE RUSSELL.

charming and genial personality. Gentlemen, the Honorable Horace Russell.

HON HORACE RUSSELL'S REMARKS.

Judge Russell's response was as follows:

Mr. President and Gentlemen: First of all, permit me to make my grateful acknowledgments for the honor you did me in electing me a member of the Hardware Club. In few relations of life have I found more pleasure, and in none more comfort. Though not, strictly speaking, engaged in the Hardware trade, I still have a qualification—not to say qualifications—for membership. It constitutes the chief foundation for whatever credit I have among men, though I do not schedule it in my inventory. The fact is, I carry the stock over from year to year.

You must allow me, too, my fellow members, to congratulate you on the phenomenal success of the Hardware Club. One of the very youngest, it is already one of the strongest and most securely established of New York clubs. While we are willing to concede—rather than have a fuss about it—that its success is primarily due to its splendid membership, I know I have the authority to acknowledge, and with profound gratitude, that it is largely due to the good judgment and efficient management of the Board of Governors. We all take off our hats to President McCartee to-night, and make him and his fellow officers our best obeisance. And before I proceed to the discussion of the meaty subject to which you have assigned me, I pause long enough to express our obligation to Van Glahn, Bissell and the other members of the committee for all the pains and trouble they have taken to get up this banquet, and to assure them it has left nothing to be desired. May I not express the hope that this and similar banquets shall bring the trade together in a strong guild, and demonstrate that good fellowship can overcome and survive the rivalries and jealousies of competition?

"POLITICS AND BUSINESS."

That is a pretty comprehensive subject, about which one could talk almost as long as Senator Morgan spoke at the New England dinner, without exhausting it. You will not expect me to pitch what I have to say in anything like so high a key as did President Stryker. Few persons could do that; I least of all. If he can fill the minds and hearts of his students up at Hamilton with such lofty ideals, he will have done much to make them honorable men and useful citizens; and if his addresses to them are as entertaining and invigorating as that to which we have listened to-night, they must be dullards indeed if they do not absorb great and permanent good from his instruction.

We usually mean by the word "business" that occupation by which a man makes money, and takes care of his family and those dependent upon him. It is the principal concern of life to most—to nearly all—of us. Touch a man in his pocket, and you hit pretty near his heart. The conditions of life, and the world into which we are born, make it so. Naked came we into this world, and if we have anything to wear, or eat or drink, we have to get out and hustle for it. That is business. Considering how short a time we have to live here, and how long in the world to come, it seems as if we ought to be able to employ all our time here in preparation for the life to come. But the Lord has not so willed. We must attend to business, pretty nearly all the time, and our minds must be occupied with the things that affect business.

It looks now as if politics were likely to be the business—at any rate the only active business—of the next ten months. Presidential years are proverbially bad for trade. Not only are we engrossed in the heat of partisanship, but doubts as to what the future may bring forth disturb confidence and impair business. The only consolation you have is that of the farmer who, when a passerby expressed sympathy with him because his corn crop was so poor, said: "Wall, I thank God my neighbor's ain't no better." Politics must always be a necessary part of the business of every citizen of a republican State; and every business man, whether he wills it or not, whether he knows it or not, is in it. Under all forms of government the prosperity of the people is largely dependent on the conduct of the State. That is one of the necessary conditions of organized society. We are bound up together, and the good or ill of all is the good or ill of each. But under no form of government so much as under one like ours, where every citizen is a sovereign, and where the united efforts of all are necessary to keep the old ship on an even keel and steered for the right port.

Bad government makes bad business. When the public credit is gone or doubtful, private credit does not long survive. The destruction of mercantile credits is, for the time being, at least, the destruction of profitable business. We have had recent proof of this. When wars and rumors of wars fill the air, however causeless and senseless, there is at once a paralysis of business. We have had recent proof of this, too. This is one of the reasons why business men are always a conservative force, perhaps the greatest conservative force, and why they are strongly in favor of peace and law and order. I hope it may be said their common patriotism is another. It certainly can be truthfully said that whenever serious peril threatens the country, no class of citizens are more ready to spring to its defence, and spend

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their all, their energies, their money and their blood, than the merchants.

It is the habit of many well-meaning men to regret that we give so much of our time to politics. "Happy is that country which is without a history," is a paraphrase of a saying of Montaigne that has passed into the currency of a proverb, meaning, I suppose, a country at peace with the rest of the world, and one whose domestic government is so well and peacefully conducted as to permit the people to devote themselves to the private concerns of life. It is enough to say, however, that that is not this country, nor likely to be in the lifetime of any one of us. Eternal vigilance is still the price of liberty, and it seems to be the price of everything else worth having. Vital questions crowd the present as they have the past; they will crowd the future as they do the present. As long as men have anything which of right belongs to them worth keeping, there will be other men trying to get it away, whether it be liberty, or property, or the pursuit of happiness. It is just as necessary to stand firmly for honest money now, as it was to pitch the tea into Boston Harbor a hundred years ago. It is just as necessary to resist the tyranny of political bosses to-day as it once was that of George III. Degeneration follows torpor just as certainly as death follows heart-failure. Every year some new craze is invented by demagogues or discontents—greenbackism, grangerism; populism, jingoism—and every year it is just as necessary for the conservative element, the business men of the country, to set their foot on it.

A friend of mine happened to be in Paris at the time the Germans were thundering at the gates of the city. Walking along the street one day, he observed a tradesman standing complacently in the door of his shop. By way of making conversation, my friend asked him if he was not alarmed at the state of affairs. "Me!" he replied. "No, Monsieur, it does not concern me; I am not a politician." You have heard of that profane philosopher who said he did not care a damn what happened, so long as it did not happen to him. The difficulty is, that whatever happens to the State does happen to us We may be slow in finding it out, but we do find it out in the end, and then, sometimes, we have to pay a fearful price for our indifference to the public weal.

If what I have been saying has any force at all, it is to show that, in this country, at least, it is impossible to divorce politics from business, or business from politics. In politics there will, of course, be partisanship. There will be times when partisanship will be the highest patriotism, and there will be times when it will not. If our partisanship can be elevated to the splendid plane of patriotism depicted by Dr. Stryker, so much the better. Yet even partisanship which is nothing else but partisanship is preferable to apathy and cowardice, though it must be admitted it is a choice between two evils.

A gentleman whose name is frequently mentioned in connection with the Presidency, once said, in reply to a question: "A statesman is a politician who is dead; a politician is a statesman who is alive." There was more wit than truth in the remark. It could be properly classified with that old adage. "*De mortuis nil nisi bonum*," a phrase which is never invoked except to protect the memory of a scoundrel. An honest man does not need it. A Yankee once said: "All deacons is good, but there's odds in deacons." There are odds in politicians. There are those who regard politics as a profession, with high ideals of the public good, and honorable ambitions to serve it. And there are those whose only idea it is to get themselves into places which they are in nowise fit to fill. Whether vanity or cupidity is the inspiring motive makes no difference. This latter class put too much business into politics, and unfortunately they do not carry into it the business adage that "Honesty is the best policy." The worst of all public enemies in modern days is the man who is in politics for what he can make out of it. He is to be found in both parties numerously. I name no names. I make no personal application. The amenities of this occasion forbid it. I will be more discreet than a certain member of a social poker party. There was a one-eyed man in the party whom a member thought he detected cheating. At the end of a hand he said: "There is cheating at this table. I name no name, but if I catch him at it again, I will knock out his other eye." These men disgust the average business man into the inclination to have nothing to do with politics whatever. It certainly is not calculated to inflame one's zeal to know that, while the people elect, the politicians nominate, and that many times our only choice in voting for public officers is between our—scoundrels and the other—scoundrels. A New York primary in most of the districts is not exactly "a land of pure delight where saints immortal reign." It is not a pleasant matter for contemplation to see the leaders of the great political parties unwilling to do or have done that which is best for the country, for fear the other party will get the credit for it and make capital out of it in the next campaign. Nor is it



GEN. JAMES R. O'BEIRNE.

calculated to fan our enthusiasm into a flame to know, as we do, that one of its first results, if we succeed, is likely to be to use as capital for some self-constituted boss to secure the office which we do not want him to have. But, after all, gentlemen, these phenomena are only incidental and ephemeral. The things that are permanent remain. These are only surface indications, spots on the sun. The world is moving on; history is being made whose deeps are scarcely stirred by these things on the surface.

"For humanity sweeps onward;
Where to-day the martyr stands,
On the morrow crouches Judas
With the money in his hands.
Far in front, the cross stands ready,
And the crackling faggots burn,
While the hooting mob of yesterday
In silent awe return,
To glean up the scattered ashes
Into history's golden urn."

Every condition of our existence, every condition of our business, demands that we should take an interest, an active interest, in politics. Let us not be deterred by these little discouragements, not because it is not ours "the applause of listening senates to command." Let each man do his political duty day by day, if he can, on the plane of

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the highest patriotism; if not that, then, at least on the plane of intelligent self-interest. If we only do that, each man meeting the emergency as it arises, leading the life of a good citizen, taking care of his family and those dependent upon him, and giving to the State as much as he can give, we shall come pretty near having as good a government as it is in the nature of unregenerate man to provide or deserve.

When the cheers which greeted this speech had died away, Mr. Bushnell was again called upon, and gave "The Two Grenadiers."

The president next introduced the last speaker of the evening as follows:

REMINISCENCES.

When we iisten to the talk of a veteran soldier, we expect reminiscences, and to hear of sieges, stratagems and spoils, and how the bauble, reputation, is to be won at the cannon's mouth. General O'Beirne is full of memories of his past life. He stood by his country in her hour of need and peril, he served more than four years in the Union army, and was wounded three times in one battle; he has held other high offices under the government. The reminiscences of such a man will be full of interest to all of us. General O'Beirne.

GEN. O'BEIRNE'S RESPONSE.

Despite President McCartee's promise in regard to reminiscences of war and memories of the field, Gen. O'Beirne followed an entirely different line of thought in his address. He referred to the past history of New York, and called attention to a number of points of interest in connection therewith.

With the conclusion of Gen. O'Beirne's entertaining address, the president announced that the festivities of the evening were ended, and dismissed the audience with that happy quotation from Tiny Tim: "God bless us every one." This wish found an echo in the heart of every man present; and as the guests filed out, in the small hours of the night, into the wintry air, they felt that Hardware Annual Dinners were successful beyond question, and that indeed it had been good for them to be there.

It is needless to say that all arrangements had been looked after in a most admirable manner; and once again, Chairman A. D. Clinch, who has become a recognized expert in the matter of dinners, covered himself with glory; and, not to make an invidious distinction, it may be said that a portion of this light shines also to the credit of his associates in the dinner committee, and among the governors and officers of the club.

THE RECEPTION BADGES.

Especial mention should be made of the artistic badges worn by the president, the chairman of the dinner committee, and the governors of the Hardware Club, who acted as a committee of reception. These were of white silk, artistically crossed, with a bow knot above, and marked in gold with the special office of the wearer, and date of the dinner. At the risk of provoking the ire of the chairman of the dinner committee, it is but fitting that credit for these beautifully wrought specimens of artistic work should be given to Mrs. A. D. Clinch, who also upon previous occasions has made these dinners more attractive by like deft and thoughtful work.

A valued subscriber to *Hardware* would be pleased to receive the address of concerns that make a specialty of fitting up woodwork for Hardware stores. Can any one accommodate him? Letters sent to *Hardware*, No. 143 Chambers Street, New York, will be forwarded.

The Berlin Iron Bridge Co., East Berlin, Conn., have contract for a steel floor to be placed in one of the buildings of the Alexander Smith & Sons Carpet Factory, at Yonkers, N. Y.

The "New Store" Announcement.

A new store is to be opened on March 2nd, in Collinwood, Ohio, a suburb of Cleveland. Two practical Hardwaremen are its proprietors, and they have made their announcement to the public in a plain, modest, and direct circular, that cannot but have its effect upon the Collinwood public. They have leased the handsomest store room to be found in the town, and have fitted it up artistically in natural woods. Their stock of goods is to be new throughout. We quote their advance circular, as in many respect, a model of its kind, as follows:

NEW HARDWARE STORE.

On the second of March we shall open a Hardware store in Collinwood, in the Gunn Block, corner of Collamer Avenue and Manchester Street. Our stock will be all new goods, of latest patterns and styles, and the prices we shall put upon the various articles will be as low as goods of equal quality can be sold. We shall aim to keep everything in the Hardware and tin line that the people of Collinwood and vicinity need, and shall try to deserve their patronage by giving them the best of service.

In our jobbing department we have skilled workmen, and can give satisfaction both as tinners and plumbers, at a fair cost to our customers.

Both the members of our firm are well informed Hardwaremen. Mr. H. B. McGrath comes from the W. Bingham Co., of Cleveland, for whom he has been a traveling salesman. Mr. H. J. Palmitier is a resident of Collinwood, where he has for many years been engaged in the Hardware business, and will make his acquaintance with the people and their needs of value in the new concern.

Collinwood, Ohio. McGRATH & PALMITIER.

This list shows partially the scope of our business, though there are many goods carried not mentioned:

HARDWARE.
- Builders' Hardware.
- Carpenters' Tools.
- Blacksmiths' Tools.
- Screen Doors and Windows.
- Lawn Mowers.
- Wheelbarrows.
- Forks, Rakes, Hoes, etc.

CUTLERY.
- Pocket Knives.
- Table Knives and Forks.
- Spoons.
- Scissors and Shears.
- Carvers.
- Razors, Strops and Hones.
- Revolvers and Ammunition.

HOUSE-FURNISHING GOODS.
- Pressed and Pieced Tinware.
- Japanned and Nickel-Plated Ware.
- Granite Ware.
- Cooking Utensils of all kinds.
- Refrigerators.
- Ice Cream Freezers, etc.

STOVES.
- Heating.
- Cooking.
- Steel Ranges.
- Gasoline and Oil.

PAINTERS' MATERIAL.
- Paints.
- Oils.
- Brushes.
- Varnishes.
- Dryer.
- Putty.
- Glass.
- Glaziers' Points and Putty Knives.

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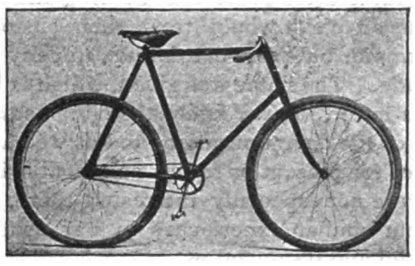
PLUMBING AND STEAM FITTING.
ROOFING AND SPOUTING.

We are fitted for doing any work of the kind that will be needed in Collinwood, and at less cost than any firm not on the ground can afford to do it.

THE BEST GOODS,
THE BEST WORK
at the
RIGHT
PRICE.

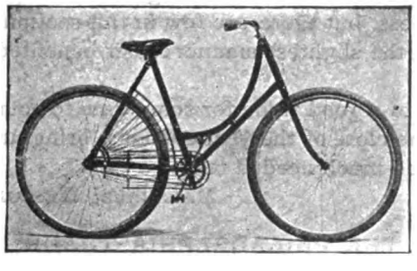
Empire Cycles for 1896.

The illustrations herewith represent two of the models offered by the Empire Cycle Co., Syracuse, N. Y., for the season of 1896. The following are the specifications for the same: Model 10—"Frame made from best quality, seamless steel tubing, sheet steel connections. Drop-forged crank hangers. Drop-forged fork crown. 10-inch



ball bearing steering head. 28-inch wheels. 1⅝-inch Vim hose pipe tires. Rock elm wood rims, handsomely enameled in Nile green. Cold swaged steel tangent spokes, tied, 28 to front and 32 to rear wheel. Empire tool steel ball bearings all around. Cranks made from best quality crank steel. Width of tread, 5 inches. Choice of rubber or rat-trap pedals. Up-rolled or drop-curved handle bar. Tubular seat post, straight or T style. Empire saddle. Finish—handsome black enamel, with Nile green rims. Scale weight, 23 pounds. Tool bag containing all the necessary accessories. Options: 24 to 26-inch frame; 64, 68 or 72-inch gear. Choice of Palmer or Vim tires."

Empire, ladies—"Frame made from best quality, seamless steel tubing, with sheet steel connections. Drop-forged crank hanger. Drop-forged fork crown. 10-inch ball bearing head. 28-inch wheels. 1⅝-inch Vim hose pipe tires.



Rock elm wood rims, handsomely enameled in Nile green. Cold swaged steel tangent spokes, tied, 28 to front and 32 to rear wheel. Empire tool steel ball bearings all around. Cranks made from best quality of crank steel. Width of tread, 5 inches. Ladies' rubber pedals. Up-rolled handle bar. Tubular seat post. Empire saddle. Finish—Handsome black enamel, with Nile green rims. Scale weight, 23 pounds. Tool bag containing all necessary accessories."

At the annual meeting of the Warren (Ohio) Hardware Co., the following directors were elected: Isaac Kirk, H. C. Bradley, W. S. Kernohan, W. De P. Knowlton, H. C. Christy, Jno. C. Shook, Wm. Wallace, Geo. P. Hunter and F. E. Caldwell; President H. C. Christy, Vice-President Isaac Kirk, Manager Jno. C. Shook, Secretary and Treasurer F. E. Caldwell, Executive Committee Wm. Wallace, H. C. Christy, Jno. C. Shook. A prosperous business was transacted during the year, and a dividend of six per cent. was declared.

Review of the Markets.

Hardware: The jobbers show no inclination to purchase largely, but confine themselves to small and well assorted orders, anticipating only their early wants. The volume of business consequently shows an increase. Orders for goods for next season are being placed. A better feeling prevades the market and the outlook for trade seems greatly improved.

Wire Nails: Prices will remain unchanged till March 1st, when the advance of fifteen cents goes into effect. The advance was made to show that the association controlled the market, and also to force jobbers to anticipate their wants. It is generally expected by the manufacturers that the jobbers will place their orders during the latter part of February, but as they adopted a holding-off attitude, the association thought that an advance would bring in orders. The desired effect has been brought about and business shows a considerable increase in volume. The Nail manufacturers still pursue the course of guaranteeing prices to the jobbers. We quote as follows: Carload lots, $2.25, base, per keg, f. o. b., Pittsburg; less than carload lots, $2.35, base, Pittsburg. On direct shipments on contracts in less than carload lots of 24,000 pounds of Nails an extra 5 cents per 100 pounds will be charged. To jobbers taking of one mill within one calendar month 500 kegs or more a rebate of 5 cents per keg will be allowed. New York prices are: Carload lots on dock, $2.43; small lots from store, $2.53.

Cut Nails: The condition of the Cut Nail market is similar to that of Wire Nails. The same advance of 15 cents per keg will take effect on March 1st. During the balance of February prices will remain the same. There is an active demand for Cut Nails. Quotations are as follows: $2 per keg, base, f. o. b., Pittsburg. New York quotations are: Carload lots on dock, $2.18; small lots on dock, $2.28, and small lots out of store, $2.30.

Linseed Oil: The following are the New York quotations for fine Linseed Oil: American raw, 41 cents per gallon; American boiled, 44 cents per gallon, and Calcutta raw, 52 cents per gallon.

White Lead, Red Lead and Litharge: White Lead, dry or in Oil, Red Lead and Litharge in kegs: In lots of less than 500 lbs., 5¼c. net; in lots of 500 lbs. and over, 5¼c; Red Lead and Litharge in barrels and half barrels, ¼c. per lb. less than price in kegs.

Putty: In the better grades the quotations are $1.40@$2.25, as to seller, quantity and style of packing.

Window Glass: Quotations are 70@70 and 5 per cent. off on French, and 70 and 10@75 per cent. on American.

Clapp & Co., bankers and brokers, New York, in their weekly letter say: "We perceive scarcely any evidence that the bond sales were designed to be or were a popular loan. The Deutsche bank and foreign takings secured nearly ¼ of the hundred million loan. The Morgan syndicate secured about one-third the loan at minimum prices. Capitalists and corporations took about one-third, small banks and investors got a few, and the middle clasess and masses the crumbs, at full prices, the aggregate issue bringing about 6 per cent. more than the single syndicates did. This is ample proof of the people's loyalty when given half a chance. Withal it furnishes much loyal thought, and will show where gold was in hiding, and show officials and foreigners that Americans can sustain their own credit if given a chance to think and act rather than be dictated to."

THE CLEVELAND TRADE.

During the past two weeks trade has shown a very material improvement. The issue of bonds by the government, and the strong bidding on the part of the people for them, has given a tone of confidence to the business community that was lacking before. Its results are bound to be shown by business during the next few months, as in

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our opinion nothing but the reestablishing of confidence is now lacking to the return of good business conditions all over the country.

Wire Nails have been in active demand, owing to the intended advance in prices on March 1st, and we have no doubt that very large purchases will be made by the trade prior to that time, in the hope of reaping the benefit arising from the advance.

Smooth and Barbed Wire, also, are moving very freely, although at prices that are not remunerative either to the manufacturer or to the jobber. It is difficult to tell how long this condition of affairs will last, but there does not seem any present prospect of improvement. Wire Cloth is still in the same condition as has ruled for the past month or six weeks. Poultry Netting is firm in price, and selling in good quantities for later delivery. All seasonable goods are receiving their share of inquiry, and many orders are now being placed which have been held back until the last moment.

Steel goods, Scythes and Snaths, are notably in smaller demand than is customary, owing to the fact that the stocks in the hands of retail dealers are larger than common. Past experience shows that this class of goods usually move in satisfactory volume every season, the only difference being that in some seasons orders are given early, while in others they come late.

Bicycles are still in good demand, and many requests are received from customers to ship earlier than they had formerly selected as their date. This is an indication that the inquiry and interest in Bicycles on the part of riders is on the increase, and that all of the retail dealers must be prepared for an active demand when the spring weather commences.

Collections are reasonably good, and the entire outlook for spring business is cheerful.

THE MCINTOSH-HUNTINGTON CO.

THE BALTIMORE TRADE.

Taking into consideration the recent cold spell and the mercurial condition of the market, business in this section has been above the average; certainly much ahead of the corresponding period of last year. There seems to be more regularity in the orders; quantities small, it is true, but well diversified, indicative of cautious buying at the other end of the line. Judging from the reports of our traveling salesmen, a fair spring trade may be expected.

Orders for later shipments are being placed freely on Poultry Netting, Wire Cloth, Screens, Freezers and such other profit-bearing (?) lines. No! we are not complaining at all. Only at times, even with the help of a buoyant imagination and a magnifying glass, we have failed to find the "mustard seed" margin of profit that a jobber should reasonably expect.

Values are fairly well maintained. Except in the way of Tacks, there have been no phenomenal declines. Wire has shown some little weakness, but it is safe to suppose it has reached "bed rock" at last. An advance is promised on Wire Nails, and it is reasonable to suppose the end of the month will find some of the months overcrowded with orders, and shipments considerably delayed.

Among the local retail trade, preparations are being made for an active Spring business. Many large building operations are contemplated when the weather becomes favorable, and suburban development promises to make this season a very busy one for Builders' Hardware.

TABB & JENKINS HARDWARE CO.

THE CHARLESTON TRADE.

Trade continues unusually good, and we are as busy today as we were in our January rush. The duplication of orders given earlier shows that the demand is still on and consumers not yet fully supplied. We note with pleasure that few orders are without a very gratifying list of pocket knives, scissors and razors, and the fact that they are needed, is evidence that money is still in possession of all classes in the country.

We have suffered vexatious delays in having orders for needed goods only partly filled, but are assured that all are treated alike, and all are still waiting for final shipment. We try and feel pleasant about the matter, and at times are a little envious of the complacent manufacturer who has our order booked, and knows full well that we cannot obtain goods elsewhere, and must wait until his convenience for shipment.

We were somewhat amused at the receipt of a circular letter from a large jobbing house, complaining about the invasion of territory by a certain manufacturer who, after getting the jobbers' orders, delayed shipment, and actually sold the jobbers' customers, making prompt deliveries in every instance to them. Upon complaint being made, the upright manufacturers protested, assuring the complainant that no one on earth would treat their customers fairer than they would, but were careful not to deny seeking the jobbers' trade. The name was given, which is not unusual in a circular letter, but we knew the circumstances before the receipt of the communication, and as we had placed no orders either for present or future shipment with the company, we were not especially interested there, but are not exempt from similar experiences in our own trade, that have annoyed and disgusted us.

We have learned, however, to regard each unrighteous departure from what we deem strictly honorable dealing as acts that should be condemned without comment, as it would be unjust to select one or two of the violators of what we deem commercial probity, and place them in commercial pillory, while numerous others that we know are equally guilty are passed unnoticed.

As we anticipated, the changes in prices are too trifling to be specially noted, and this, alone, is the most encouraging feature of the Hardware business, and will enable dealers to form more correct ideas of the unusual activity that has marked this branch since the season opened. It is singular to note the apathy of many in regard to those changes that have been announced. A decline was accepted without seeming pleasure, and an advance gave rise to no protest, or a reason asked, "why is it thus?" Many want to persuade themselves that national legislation has or will affect their business, but there are few in this section that are or could be in the slightest manner either benefited or injured by it.

We look to a good trade for some time to come, and will welcome the close of the year even if it brings us, now anticipated and much needed rest.

MARSHALL, WESCOAT & CO.

THE PHILADELPHIA TRADE.

Winter seems to be working on the plan of "better late than never," and now when according to the calendar we are only a few days from Spring, as a matter of fact we are all muffled up to our throats with the warmest clothing and moving around with the temperature near zero.

With all this extreme temperature, there has been very little snow; in fact Philadelphia has not seen a day's sleighing this winter, which is rather remarkable, as winter has been probably below the average temperature.

Of course zero weather is not conductive to the sale of spring goods, and as might be expected these are languishing somewhat, although trade as a whole can be said to be fair, and in excess of last year. Bicycles are going out steadily, and dealers seem anxious to be ready to supply the riders' demands, which are confidently expected (and reasonably so, we think) to come later.

Prices continue without marked changes, although there has been quite an increase in the Nail trade, owing to the announced advance of fifteen cents per keg to take place

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about the first of March. While it is not thought that present prices invite speculation, it seems clear that to-day's Association controls the situation, and that it is perfectly safe for dealers to buy Nails sufficient for their legitimate wants next month.

Collections may be reported as only fair, and an improvement in this particular would be very welcome.

BIDDLE HARDWARE CO.

THE PITTSBURG TRADE.

The Hardware trade shows an improvement for the corresponding weeks of 1896, compared with 1895, and although there is room for further improvement, we feel encouraged to look forward to a good spring trade. We have some complaint of dull times and poor collections, but this is not so general as heretofore. The nail demand is not being stimulated for February as much as expected from the announcement of advance on March 1st, and we cannot help feeling that it is a bad move, as nails are already higher than they should be. Time will show whether the nail trust is being wisely managed. Bicycles are in great demand just now.

LOGAN-GREGG HARDWARE CO.

THE OMAHA TRADE.

January business was somewhat in advance of the corresponding month of a year ago, which, under the circumstances, was all that could reasonably be expected. In a general way trade has been dull and lifeless, the trade all holding off, and when they buy doing so in a hand-to-mouth way, which keeps the forces busy, but makes the figures far from satisfactory. The only line showing any particular activity is Wheels, which, even as early in the season as this, are showing a remarkable record, and the sales are

HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

Wheels FOR The People

"APOLLO," $75.00

"VESPER," $50.00

High Grade Juvenile Wheels

"CYCLOE" AND "FAIRY."

LAMPS, BELLS AND SUNDRIES.

AGENTS FOR

THE "AMERICA" PENNSYLVANIA, NEW JERSEY (SOUTH OF TRENTON), DELAWARE, CENTRAL AND WESTERN NEW YORK.

"WORLD." PENNSYLVANIA, SOUTHERN NEW JERSEY, DELAWARE AND MARYLAND.

EDW. K. TRYON, JR. & CO.,

Send for Catalogue. PHILADELPHIA.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.



Regulates supply of oil to a drop.

25c.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILL

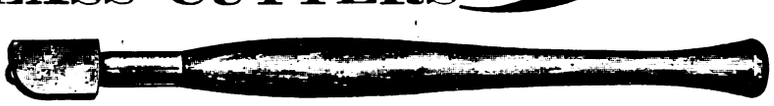
PIPE VISES, RATCHET DIE STOCKS, ETC

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn

GLASS CUTTERS



We want every hardwareman to know that our specialty is the manufacture of . . . Rolling Steel Wheel Glass Cutter and that we can make it worth money to them to handle our goods. Correspondence solicited.

W. L. BARRETT, BRISTOL, CONN., U. S. A

P. S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. JOBBERS 109 FULTON ST NEW YORK.

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

H CHANNON COMPANY

DEALERS IN

DIFFERENTIAL CHAIN HOISTS.

24-26 MARKET STREET, CHICAGO.

CATALOGUES ILLUSTRATED.

WM. D. LITTELL,

7 Warren St., New York.

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reaching much larger proportion than was expected. The outlook for Spring trade is favorable, and the volume of it may reasonably be expected to be some in advance of a year ago. Season goods, as is customary at this time of year, are somewhat demoralized, though in a general way prices are well maintained. The manufacturers' advance on Wire Nails, which, instead of stimulating trade, as was anticipated, we are of the impression will have a tendency to reduce the demand. Public opinion is a hard thing to fight against, and that is distinctly opposed to present prices on Wire Nails, and there appears to be a disposition on the part of dealers to buy no more than is absolutely necessary for their demands. Collections are not as good as we would like to see them, but are fully up to date.

RECTOR & WILHELMY CO.

THE DAVENPORT TRADE.

The new Excelsior Washing Machine made here is attracting a good deal of interest in the trade, and so far the factory has not been able to supply the demand.

A prominent jobber in interior Iowa is striking back just now at the jobbers outside of the State who have been shipping screen wire to junction points, and then peddling it out of a car placed temporarily on a side track, and guaranteeing prices by making a price that will not leave a large margin of profit to the guarantors.

The promised advance of fifteen cents per keg next month has stimulated the Wire Nail trade, and there has been a fair amouut sold the past week. The speculative demand for Barb Wire seems to be practically over, and dealers are apparently buying only for present wants. There is a little more activity in the Binder Twine trade, but not as much as one would think, considering that there was none carried over and the extremely low prices now ruling.

General Hardware trade is improving, and so far sales for 1896 are an improvement on 1895. Collections are better and there is very little cause for complaint, and no recent failures to report.

With deep regret it becomes our duty to record the death of John Alexander Lumsden, vice-president of the Sieg Iron Co., of this city. Mr. Lumsden entered the employ of his company twenty-two years ago as traveling salesman, and by persistent and well directed efforts, succeeded in building up a large trade for the concern. He invested a portion of his savings in the company, was elected its vice-president five years ago, which office he held until he died at his home here this morning. He was an active man, took a deep interest in every enterprise pertaining to the welfare of this community, and his loss will be keenly felt by his business associates, his many acquaintances and friends.

As a mark of respect, all of the iron and Hardware houses here will close to-morrow to attend the funeral.

SICKELS, PRESTON & NUTTING CO.

THE COLUMBUS TRADE.

By looking over our change sheet we find but few changes, and none of much importance, during the past week. Trade has not been as good with us for the past ten days as in the last two weeks of January and the first week in February. We think this can be accounted for by the condition of the roads, which have been and are in a very bad condition. This week starts out with about as severe a cold snap as we have had this winter. The mercury has been bobbing around zero for the past twenty-four hours. Commercial men who have to do any driving over mud roads will have a rough time of it. Smooth and barb wire prices have settled down to what seems to be hard pan, and we think they will stay there for some time, but it is hard to see in the future very far. The announced advance of 15 cents a keg on nails, to take effect March 1st, is stimulating trade on that line very materially. We are free to say that we decidedly object to the advance, as there is no reason for it, but we are not making prices for the Nail Association, and must submit to it. Ditching tools are in much better demand than last spring. The numerous rains have made it necessary to do a good deal of ditching. Sap spouts, pails and syrup cans are in good demand. The wet weather, with freezing and thawing, has been favorable for sugar making, but hard on wheat. Collections are still slow. We hope that some of the gold that went for the new bond purchase will get into general circulation; and we think as soon as railroad corporations and improvement companies can go to work that it will make a demand for raw and finished material that must in time help us all, more or less. We neglected to put in our bid for a few hundred thousand dollars' worth of bonds until it was too late. We think the other Hardware jobbers forgot also, as we did not notice any Hardware firms' names on the list.

SMITH BROS. HARDWARE CO.

THE ST. PAUL TRADE.

The weather for January was very mild, and consequently we had very little sleighing. This was a drawback to almost all kinds of business, as it reduced the sale of seasonable goods, and also retarded the marketing of farm products. Notwithstanding this, there is a very general impression that the later Spring business will be entirely satisfactory. Retailers generally are running with light stocks, and when the increased demand takes place will be obliged to buy liberally. Quite a good percentage of last year's crop is yet in the hands of the farmer; the prices on the same are improving. When marketed, which will be in the next three or four months, it will put into circulation quite an amount of money that will enliven business generally. The threatened advance in Wire Nails which is to take place in March, will probably cause the placing of some orders for car loads that would otherwise be held until later in the season. A very good business has been done in advance orders for Wire Cloth, screen doors, spring hinges, etc. Bicycle orders are coming in quite freely, and the prospect now is that the demand during the season will be large.

C. W. HACKETT HARDWARE CO.

THE TOLEDO TRADE.

Toledo and vicinity have been in the clutches of "Jack Frost" for at least five or six days. We have had quite a storm, which blocked business to a great extent.

Trade in general is very quiet, not very rushing, although we anticipate a good trade this coming spring. We notice a stiffening in the price of a number of staple articles, such as Nails, Galvanized Sheet Iron, and also a slight advance in Wire, and we would not be surprised to see higher prices ruling for such goods that have been at rock bottom prices, for March and April.

Orders are coming in quite freely, but they are small, and not for large quantities. We notice that dealers who used to buy three and four dozen of one article have cut down their orders to a *dozen* and even *broken packages*.

Collections in some sections have been very backward, while those especially from the "Oil Territory" have been very good.

Architects in Toledo all claim that they are quite busy, which leads us to believe that Toledo will do considerable building this season. In connection with this, we do not know of a better place in the United States where a manufacturer could locate than Toledo, having railroad facilities superior to most every other point, with but a very few exceptions, and we would like to see some of the Hardware manufacturers locate in Toledo, where they get good shipping facilities, cheap rents and a fine trade.

Anyone wishing to locate, if they will address us, we shall be pleased to give them such information as we can.

STOLLBERG & CLAPP CO.

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We are now ready to talk

Straus Roadster Bicycles

And arrange with you for the agency of the highest grade wheel in the market.

We have a strictly first-class **$100** beauty for **$85,** fully guaranteed for actual road use. Agents for the **STRAUS ROADSTER** do not need repair shops.

Liberal discount to the trade and satisfactory territory assigned. Catalogues mailed upon application

L. STRAUS & SONS,

42, 44, 46 and 48 Warren Street, and 116 Chambers St.,

NEW YORK.

Poetry and Paints.

A "paint poet" paints his suggestions in this wise: "With the coming of each and every spring, editors and publishers are offered 'Spring Poetry,' which is considered by the authors, of a quality quite equal, if not superior, to anything ever launched upon the poetry-loving world. As with poetry, so it is with paint—as the spring season of painting and repainting comes along there is sure to be offered something new in the way of paint mixture for the protection of roofs, iron work, etc. Fortunately the public, as a rule, discriminate as wisely against such new nostrums as it does in its poetry, and rightly chooses a paint like Dixon's Silica Graphite Paint, which has been so favorably known for over a quarter of a century. Roofs painted with Dixon's Silica Graphite Paint have not required repainting in twelve to fifteen years and over. Railway and other corporations known for their thorough testing and careful selection of materials, use this paint in large quantities." Anyone desiring to know more about Graphite Paint should address the Joseph Dixon Crucible Co., Jersey City, N. J.

The Morris Hardware Co., Youngstown, Ohio, have elected directors as follows: H. M. Garlick, J. H. Morris, W. J. Hitchcock, L. E. Cochran, W. J. Whitworth, J. L. Botsford, Hugh B. Wick. The directors chose the following officers: H. M. Garlick, president; W. J. Hitchcock, vice-president; W. J. Whitworth, secretary and treasurer; J. H. Morris, general manager.

A Western man writes to a New York Hardware house that he has invented a "sweet potato hoe." Is this a novelty? Are any such hoes now made? Where are they used, and in what way should they differ from other hoes? Can anyone answer?



Situation Wanted.

MONITOR lathe and screw machine hand. Young man, A1 on all kinds of work. Large experience on bicycle and electrical work. F. FRANK, No. 248 Walnut Street, Newark, N. J.

Side Line Offered.

WANTED—Thoroughly competent Hardware salesman to sell our line of specialties to the Hardware trade as a side line on commission. Address HERRICK MFG. CO., Jackson, Mich.

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THE BARNES WHITE FLYER

Is a Popular and Trustworthy Mount.

IT can boast of more novel features than any machine on wheels. . . . . .

The Barnes Cycle Co.,

Write for Catalogue. Syracuse, N. Y.

The Kirk-Young Mfg. Co.

TOLEDO, OHIO.

Manufacturers of

High Grade Wheels

At Medium Price.

Especially Designed for the Hardware Trade.

Write for Territory and Prices NOW

What have you to Exchange?

Or will sell at a special bargain, a 36-inch Curtis & Marble, Worcester, Mass., **HAIR PICKER.** Best machine for this purpose in the market. Picks and renovates free from impurities, about three tons of hair per day. Machine has had but little use, hence is as good as new. An extra Cylinder, Counter-Shafts, Belting and Fan will go with same.

Also have a

10-Horse Power Upright Junior Westinghouse ENGINE.

Address

The ENTERPRISE MFG. CO.,

AKRON, OHIO.

The American Ordnance Co.

The American Projectile Co., Lynn, Mass., the Duggs-Schroeder Ordnance Co., Philadelphia, the Hotchkiss Co., of which Gen. Ordway is the American representative, the Bethlehem Iron Works, Bethlehem, Pa., Gatling Gun Co., Hartford, Conn., and a torpedo company of Providence, R. I., have formed a combination under the name of the American Ordnance Co., with headquarters at Washington, D. C. Gen. Albert R. Ordway is president, and the capital of the company is fixed at $2,500,000. A large plant will be built at Bridgeport, Conn., for the manufacture of guns and projectiles. The combine has been perfected to compete with the European concerns in the South American, Central American and Asiatic markets.

S. L. Allen & Co., Philadelphia, Pa., have gotten out a handsome catalogue for 1896. The cover is one of the most artistic we have ever seen. The company say: "1896 will be a banner year for the Planet, Jr. family. The old members, that all know so well and favorably, will be made young again so far as possible, while new members of great and certain value will join the ranks. Of special interest among the latter will be: A new horse hoe, of striking merit, No. 8; a single-wheel hill dropping garden drill, which is a great advance over all previous drill construction; also a combined riding harrow and orchard cultivator, a revelation in that line. And we expect to offer one or two other new and interesting members of the family a little later, by special circular." The catalogue illustrates the well-known implements manufactured by the company.

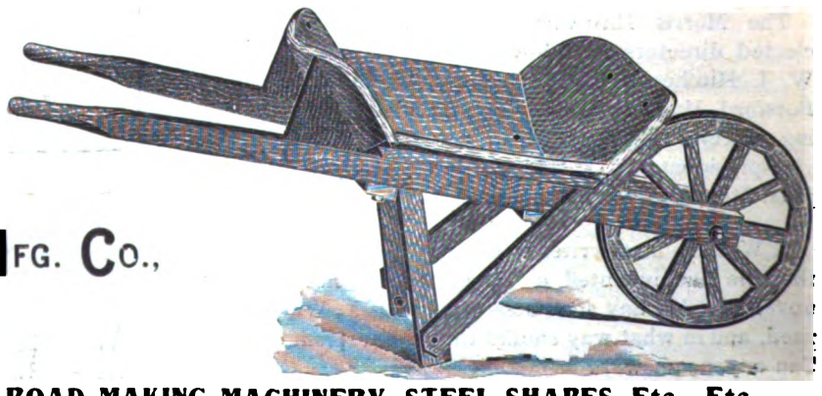
Edw. K. Tryon, Jr. & Co., dealers in fire arms, fishing tackle, sporting goods, etc., Philadelphia, are agents in Pennsylvania, New Jersey south of Trenton, Delaware, and central and western New York, and also Ohio, for the America wheel; and in Pennsylvania, New Jersey south of Trenton, Delaware and Maryland, for the World wheel. They have engaged W. Robert Landis, a professional rider, to ride the World on the track during the coming season, and, as he is a promising young rider, he will probably make some of the older heads work hard for first honors.

The Overman Wheel Co., Chicopee Falls, Mass., have published one of the most unique and artistic bicycle posters that has yet made an appearance. It is from the brush of Will H. Bradley. It measures 3½ by 1¼ feet in size, in panel shape, and is finished in colors of an attractive character. It shows a handsome wheelwoman mounted on a Victor wheel, and would make a most attractive decoration for any office or store. The poster can be obtained by anyone sending one dollar to the company at the above address.

V. M. Sapp will establish plow works at Starke, Fla.

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.

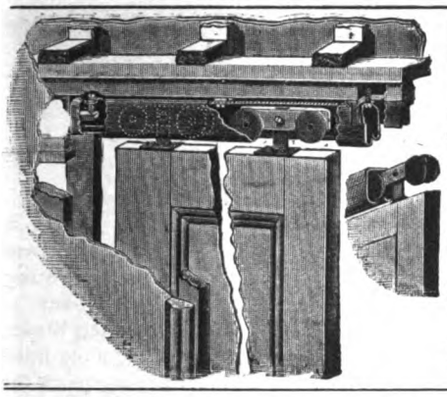


THE KILBOURNE & JACOBS MFG. CO.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

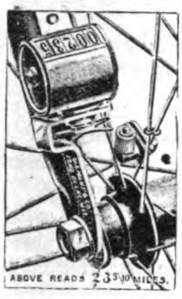
SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





U. S. Cyclometers for Bicycles, Price, $1.50

U.S. CYCLOMETERS MODEL '96

DETACHABLE

ODOMETERS and LAMP BRACKETS

FOR CARRIAGES.

10,000 MILES. WEIGHS 1¼ OUNCES. ONE INCH LONG.

Attaches on Right Side. Repeats or may easily be set. Reads Plainly from Saddle. Made for 20, 22, 24, 26, 27¾, 28, 30 to 46 inch Wheels.

Has an entirely new register action, a train of positive gears, simple and very strong, taking place of pawl system used in '95.

Guarantee Every U. S. Cyclometer guaranteed accurate. Should it get out of order accidentally or otherwise, will be repaired or replaced free of charge.

SEND FOR ELECTROTYPES AND PRICES.

Canadian Agents,

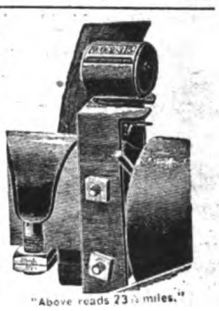
Rice, Lewis & Son, Ltd.

TORONTO, ONT.

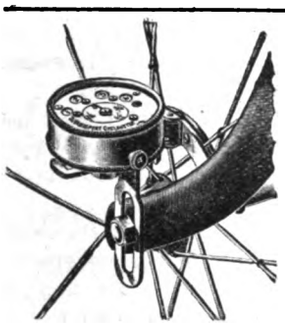
U. S. Manufacturing Co.,

FOND DU LAC, WIS., U. S. A.

U.S. Odometer for Carriages. Price $2.



Registers 10,000 miles. Made for [illegible] wheels. Give diameter when ordering



THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.

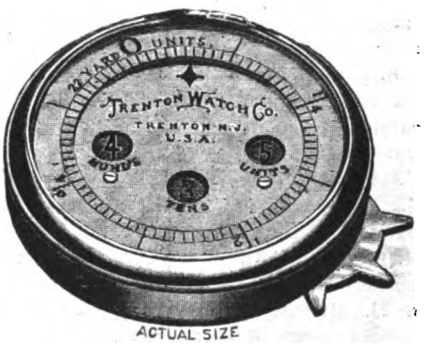
Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.

MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

SOLD BY ALL DEALERS AT A LOW PRICE.

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., · 313-315 B'way, New York.



ACTUAL SIZE

"TRENTON" CYCLOMETERS ARE THE BEST.

MADE OF ALUMINUM.

Light, Strong, and Accurate. Electrotypes supplied to the trade upon application.

TRENTON WATCH CO., Trenton, N. J.

SICKELS, SWEET & LYON,

Office, 35 Barclay St., Warehouse, 40 Park Place, New York.

NEW YORK AGENTS FOR

Withington & Cooley Mfg. Co. Farming Tools,

RELAY · BICYCLES.

Cortland Door and Window Screens, Eagle Files, Union Steel Screw Co. Wood Screws.

Spring Catalogue, No. 11, issued about February 10th.

SICKELS, PRESTON & NUTTING CO., Davenport, Iowa.



Two-thirds size. TEN Thousand Miles, NOT ONE Thousand. **Price, $2.** The American Cyclometer, plain as A, B, C. Read at a glance; after you read it no guesswork. Does not get out of order if you run it backwards like some others on the market. Not a Dinky Toy with steel parts so small that the dampness will rust the mechanism and eat away the small pivots. Nor built just well enough to last three months, but built well enough to last at least five years. It goes on the right of fork so that you can put your lantern on the left, where they are usually made to go. AMERICAN CLOCK CO., 14-15 Tremont Row, Boston, Mass., U.S.A.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

SEASONABLE GOODS FOR WHICH WE ARE AGENTS:

P. Lowentraut's Ice Skates,

Oliver Ames & Sons' Steel Snow Shovels,

Saugatuck Mfg. Co.'s Wooden Snow Shovels,

G. W. Bradley's Heavy Sidewalk Chisels.

Hunt

BICYCLE SADDLES

WESTBORO, MASS.

Request

Your Manufacturers or Jobbers to deliver your Bicycles fitted with

Hunt Saddles and Tool Bags

If you desire first class goods.

TWO PATENTS FOR SALE.

Two Valuable Patents. One the Gokey Grinding and Calk Sharpening Machine. Money in this Also three States for the Woodward Combination Carriage and Cradle. This also is No. 1. This is a great chance for smart man. Write for description and then hustle. Not often such a chance as the above.

E. A. WORTHEN,
Burlington, Vt.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Bridgeton, N. J.—Newlin & Reid.

Campello, Mass.—Charles A. Norling & Co.

Groveton, N. H.—M. S. Wilkinson.

Kalamazoo, Mich.—W. D. Woolworth.

Marquette, Mich.—John W. Joachim.

Richmond, Tex.—H. L. Dyer.

Rushville, Kan.—Thomas Bunton.

Waukegan, Ill.—James Welch.

Record of Changes.

Atlanta, Tex.—Whattey & Spell, Hardware, etc., have dissolved partnership. T. S. Spell will continue the business.

Bluffton, I. T.—George T. Williamson, Hardware, reported to have been succeeded by Williamson Hardware Co.

Bowling Green, Ky. — Dixon & Ward, Hardware, have been succeeded by Ward Bros.

Brighton, Mich.—George Ratz, of Brighton, and Absalom Ratz, of Howell, have purchased the Hardware business of the well-known firm of Pipp & Becker.

Burlington, Vt.—The Holton Hardware Co., composed of J. H. Holton and R. S. Barstow, of Burlington; C. P. Van Vliet, C. M. Russell and H. W. Tracy, of Shelburne, has succeeded to the Hardware business of J. H. Holton, and with increased capital will try to extend the business.

Chattanooga, Tenn.—The firm of F. H. Woodworth & Co., Hardware, have dissolved partnership, M. L. French retiring. The business will be continued under the same firm name and at the same location.

Columbus, Ga.—Abbott & McKee, wholesale and retail Hardware, etc., have dissolved partnership, and the business will be continued by Abbott & Brinson.

Dansville, N. Y.—Edwards, Kern & McCurdy is the style of firm to succeed J. M. Edwards, Hardware. Mr. Edwards retains an interest in the business, but will also occupy the position as cashier of one of the principal banks of Danville.

Fairport, Mo. — Kennedy & Scholes, Hardware, etc., have been succeeded by Kennedy & Sherrard.

Franklin, Ky.—The Franklin Hardware Co. have succeeded Roby, Taylor & Co. in the Hardware business.

Fredonia, Ky.—Crider & Maxwell, Hardware, have dissolved partnership.

Havana, Ill.—C. B. Holzgrafe has purchased O. B. Thorp's Hardware store, and in the future will conduct the business.

Hospers, Iowa.—T. L. Dyk, Hardware, reported to have been succeeded by Dyk & Van Zyl.

Indianola, Neb. — Indianola Hardware, Implement & Furniture Co. has been succeeded by E. S. Hill.

Italy, Tex.—Bracken & Windham, Hardware, have been succeeded by Bracken & Moore.

Kennard, Neb.—Martin Heinsen, Hardware, has been succeeded by L. E. Ward.

Killeen, Tex. — Yarbrough & Burkes, Hardware dealers, have been succeeded by Burkes, Yarbrough & Burkes.

Littleton, N. H.—Whittaker & Son, Hardware, reported sold to A. D. Wright.

Lockport, Ill.— The Hardware firm of O'Connell & Sloan has been dissolved by mutual consent and Mr. O'Connell will continue the business at the old stand.

Malvern, Ohio. — George Hemming, of Carrollton, has purchased H. L. Casselman's interest in the Hardware store at this place.

Metuchen, N. J.—The partnership which has existed between Howard Bishop and Fred Mundy has been dissolved. Mr. Mundy will continue the Hardware business.

Milford, Kan. — Washburn & Rudolph, Hardware, have been succeeded by J. Rudolph & Son. They are largely increasing their stock.

Oneonta, N. Y.—C. D. & L. H. Townsend have bought the Hardware business of L. B. Lennon.

Ottawa, Ohio.—Frey & Agner, Hardware, stoves etc., reported to have dissolved partnership.

Ripley, N. Y.— Charles E. Brown has bought a half interest in the Hardware business of Perry & Son.

Ronceverte, W. Va.—Simms & Dunning, Hardware, have been succeeded by Simms & Co.

Rosebud, Tex.—Tarver & Henslee, Hardware, have succeeded W. A. Henslee.

Russellville, Ark.—Hall & Smith, Hardware, have been succeeded by C. P. Hall.

Salem, Mass.—Fowler & Morrison, Hardware, have been succeeded by Fowler & Daland.

Somerville, Mass.—S. H. Lewis, of the firm of Hudson & Lewis, builders and dealers in Hardware, etc., Nos. 181–183 Pearl Street, has sold his interest to L. G. Hudson, of the same firm.

Sumner, Iowa.—Muffley & Russell, Hardware, reported to have been succeeded by Jas. H. Muffley.

Taylor, Tex.—The Taylor Hardware Co. has changed its name to the Blaine-Trewett Hardware Co., and increased its capital from $25,000 to $50,000.

Trenton, Mo.—Sires & Tully, Hardware, reported to have dissolved partnership.

Utica, N. Y.— Roberts, Parry & Co., wholesale and retail Hardware, etc., reported to have dissolved partnership.

Vincent, Iowa. — Charles Knudson has disposed of his interest in the Hardware store.

Whitesboro, Tex. — R. S. Card & Co., Hardware, etc., have been succeeded by J. H. Shelby.

Willimantic, Conn.—The Way Hardware Co. has dissolved, and L. M. Way, who has conducted the branch in this city, will hereafter continue the same business as a partnership in company with his father.

Improvements and Removals

San Francisco, Cal.—F. W. Wright & Co., the Hardware dealers, have removed from the old stand at No. 727 Market Street to larger quarters in the Academy of Sciences building, No. 823 Market Street, in the block above, where they have fitted up one of the finest Hardware stores in the city.

Woodsfield, W. Va. — Linde & Moffett are improving their Hardware store by adding new shelving.

Business Embarrassments.

Clyde, Ohio.—A. C. Martin, a Hardware dealer, made an assignment recently.

Good Thunder, Minn. — H. G. Detloff, Hardware dealer, has made an assignment to William Wrucke. The assets and liabilities are estimated at $5000.

Johnstown, N. Y. — John T. Selmser, Hardware, reported to have made an assignment.

Leona, Kan. — Dan Moyer, Hardware, has made an assignment for $15,000.

Madison, Ind. — Alling & Lodge and George R. Bolen & Co., Hardware firms doing business together, have made an assignment.

Manchester, N. H.—Wadleigh Hardware Co. reported to have made an assignment.

Peoria, Ill. — The Hardware firm of Walker & Wookey have made an assignment to Jonathan Masker, for the benefit of creditors. The liabilities in the schedule filed with the recorder are placed at $5993.42 and the assets at $9731.10, the latter consisting of merchandise and tools valued at $5377, and open accounts and notes amounting to $3354.10.

Providence, R. I.—Charles H. George & Co., Hardware dealers, have assigned.

St. Louis, Mo.—The Randolph-Heckel Hardware Co. have made a general assignment. Liabilities about $31,000; assets, $45,000.

Burglaries in Hardware Stores.

Hartsburg, Ill.—Peter Hamer, $150.

Kingston, Pa.—A. J. Roat, $100.

Milton Centre, Ohio.—Singer & Henderson, $200.

Preston, Minn.—H. A. Boyer, $100.

Fires in Hardware Stores.

Carbondale, Pa.—Purdy & Sons, Hardware dealers, building destroyed by fire.

Howard, Kan. — J. O. Burchfield, Jr., Hardware and general merchandise store, destroyed by fire.

Mt. Pleasant, Iowa.—George C. Faulkner, Hardware stock, etc., destroyed by fire, at a loss of $5000; partly insured.

Rutland, Ill.—Thomas Dawes, Hardware store destroyed by fire. Loss, $8000.

Salt Lake City, Utah. — The Western Hardware Co., Jennings Building, on East Street South, damaged by fire.

Troy, N. Y.—Frederick Campbell's Hardware store damaged by fire. Loss, $2500; insurance, $1500.

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It ought not to require any argument to convince you that your stock is incomplete without

SUNOL BICYCLES

If they are not represented in your town write to us.

The McIntosh-Huntington Co.
CLEVELAND, OHIO.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

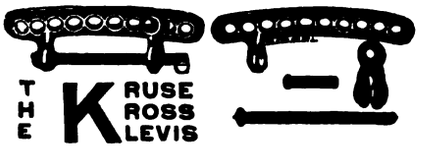
ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. **NEW YORK.**

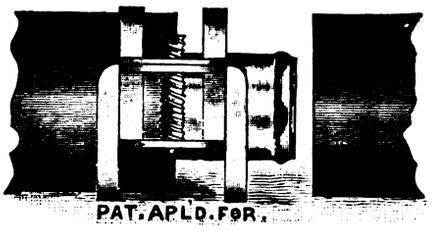
SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.



This Clevis being adjustable fits any plow. Only one kind to keep in stock.

THE KRUSE KROSS KLEVIS CO.,
HIGGINSVILLE, MO.



You Can Prove For Yourself

In one minutes' time that

THE DOUBLE CINCH HOSE BAND MENDER

Is easier put on and better when it *is* on than any other.

Jack Knife and Screw Driver *ALL* the tools needed. Does not reduce the size of the waterway. . . . .

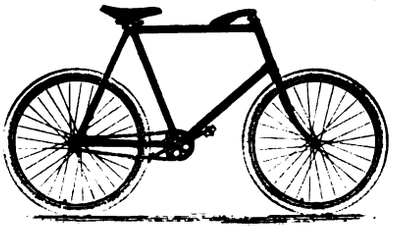
Send for Catalogue and price list.

CLAYTON & LAMBERT MFG. CO.,
YPSILANTI, MICH.

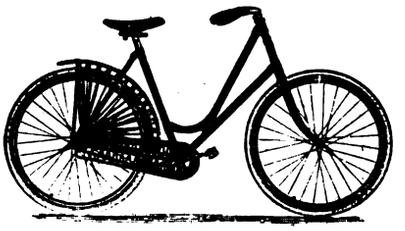
Ben-Hur BICYCLES

Are Built to Stand "HARD WEAR."

The pun is unintentional, but the wheel is the result of six years' study and improvement.



BEN-HUR, No 19



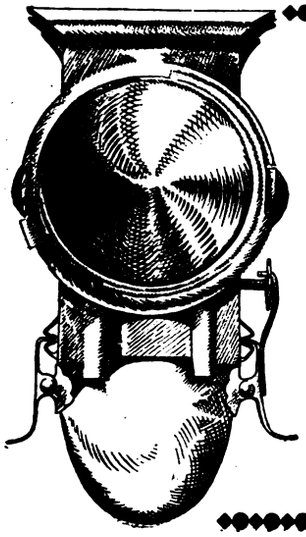
BEN-HUR, No. 20.

THEY have always been as good as the best and they now are **"Better than Ever."** Our name plate is a guarantee of excellence.

Artistic catalogue, containing cuts and description of our four models and two tandems ready for distribution. Send for one.

CENTRAL CYCLE MFG. CO.,

9 Garden St., INDIANAPOLIS, IND.



Favorite Bicycles Favorite Lamps.

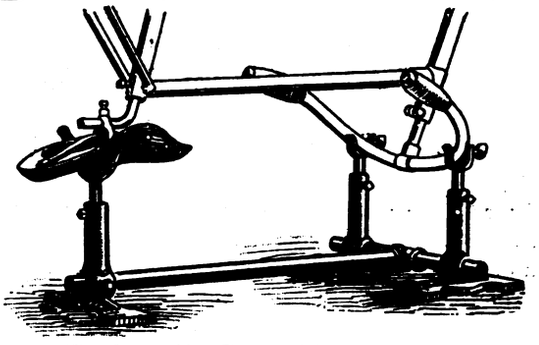
RECENTLY introduced, but no experiment; we depend upon the quality of our goods to build up our business. Write for Catalogue. . . . . .

Sharpless & Watts,
PHILADELPHIA, PA.

Jobbers of Tubing and Bicycle Material
Of Every Description.

The Bown Cycle Rack, Price, $6.00

No Repair Shop Complete Without It.



Discount to the Trade.

Manufactured by **Geo. Hilsendegen,**
Detroit, Mich.

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Dubuque, Iowa.—The Hooper Mfg. Co., incorporated by J. C. Hooper, J. A. Hooper and C. N. Hooper; for the manufacture and sale of all kinds of enameled metal wares, plumbers' and steam heating goods, and all kinds of metal wares and supplies. Capital stock, $25,000.

Jackson, Mich.—A stock company called the Herrick Mfg. Co. has been formed with a capital stock of $5000 for the purpose of manufacturing Hardware specialties and sundries. The stockholders are L. H. Field, L. B. Cowley, D. A. Yocum, J. T. Hammond and Frank A. Herrick, and the officers are: President, L. H. Field; vice-president, J. T. Hammond; manager, F. A. Herrick: secretary and treasurer, D. A. Yocum. The company will commence business in the Standard block on West Main Street as soon as the arrangements can be completed and will manufacture Hardware store fixtures and Hardware specialties, and will give employment to a number of hands.

New York, N. Y.—J. F. Robin Co.; to manufacture metal goods. Capital, $10,000, and directors: Joseph T. Robin, L. L. Firuski, of New York City, and J. H. Hirsch, of Brooklyn.

New York, N. Y.—The Escoba Mfg. & Supply Co.; to manufacture the Clements broom and scraper hoe attachment. Capital, $15,000. Directors: W. Greenough, James W. S. Clellana and Robert L. Luce, of New York City.

New York, N. Y.—The Fox Cutlery Co. has been incorporated by J. F. Kenkel and Lizzie Kenkel, of Hoboken, N. J.; Geo. Falkenhainer and Laura Falkenhainer, of Dubuque, Iowa, and Clara Grabhorn and John H. Backus, of New York City. Capital stock, $8000.

New York, N. Y.—The Standard Automatic Horse Feeder Co.; to manufacture automatic horse and other stock feeders. Capital, $15,000. Directors: Frank H. Wakeham, E. H. Fuller and Lewis D. Fuller, of New York City; A. M. Warner, of Tuckahoe, and Lewis D. Fuller, of Atlantic Highlands, N. J.

New York, N. Y.—The White Burner Co., incorporated by Frank Z. Maguire, Walter B. Howe and Wm. M. Paxton, Jr.; to manufacture and deal in burners, lamps, etc. Capital stock, $100,000.

Peoria, Ill.—E. J. Darst, John E. Kirk and George F. Emerson are making arrangements to form a company to erect a steel axe factory.

Troy, N. Y.—The J. B. Carr Co. has been incorporated by Wm. Kemp, Mary G. Carr and E. Hancox, of Troy; Wm. Kemp, Jr., Lansingburgh, and F. B. Jillson, Whitehall; to manufacture chains. Capital stock, $30,000.

Changes and Removals.

Hartford, Conn.—The Hogan Mfg. Co. have bought out the Hartford Sanitary Plumbing Co., formerly located at Ferry and Commerce Streets.

Rochester, N. H.—The Pearl Square Auger Co. has commenced to move its machinery to its new factory at Gonic, where it expects to conduct business in a very short time.

Waukegan, Ill.—The Chicago Hardware Co. is moving its plant from Chicago to North Chicago, where buildings have been erected for it by land owners. The factory will be started in a few days, with a force of 200 men.

New Buildings and Improvements.

Southbridge, Mass.—Stephen Richards & Son, knife manufacturers, are building an addition to their factory on Elm Street, for reception of a new boiler they are putting in.

Torrington, Conn.—The Union Hardware Co. will erect new factory building. W. E. Griggs, architect, Waterbury, will probably prepare plans for same.

Warren, Ohio.—The Warren Hardware Co. has decided upon a 40x130 feet addition to its range works. This will increase the capacity of the plant one-half.

Recent Fires.

Birmingham, Ala.—The East Birmingham Hardware Specialty Co. was destroyed by fire recently at a loss of $25,000.

General.

Meriden, Conn.—At the annual meeting of the Meriden Bronze Co., held recently, these directors were elected: H. Wales Lines, John W. Coe, W. H. Lyon, A. H. Jones and William E. Gard. The directors subsequently elected A. H. Jones, president, and William E. Gard, secretary and treasurer. E. J. Doolittle and Levi E. Coe were appointed auditors.

Starrett's Pocket Companion Tool.

The L. S. Starrett Co., Athol, Mass., are introducing the Pocket Companion Tool, illustrations of which appear herewith. It is a novel contrivance, designed to serve as a screw-

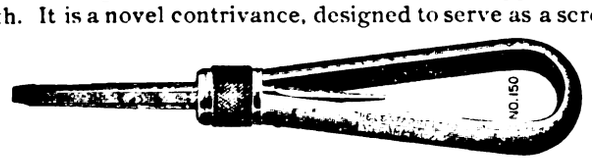


FIG. 1.

driver, brad awl and wrench. It consists of a neatly finished steel handle, with a knurled nut, which firmly holds a screw driver and brad awl made in one piece, the same being telescoped within the handle when not in use, as shown

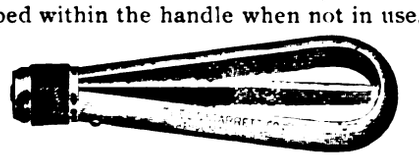


FIG 2.

in Fig. 2. The manufacturers remark that the shape of the handle enables it to be used as an emergency wrench, often of the greatest convenience. The tool weighs only two ounces, and sells for thirty-five cents.

New Haven Hardwaremen.

The New Haven (Conn.) Hardware Merchants' Club held a banquet at the New Haven House some evenings ago. Sixteen sat down to a table which was tastefully arranged. After the repast there were witty speeches and choice stories related by those present, and a flashlight photo was secured of the group. Those present were: Mr. Bushnell and Mr. Griggs, of the N. T. Bushnell Co.; Mr. Buckingham and Mr. Jackson, of Buckingham, Clark & Jackson; Newton Cox, of Cox & Lyon; Mr. Linsley and Mr. Lightbourn, of Linsley & Lightbourn; L. L. Rosenberg and Mr. Isbell, of the Bradley, Dann & Carrington Co.; Mr. Bissett, Mr. Silk and Mr. Kelly, of the J. E. Bassett Co.; George W. Baker, F. L. Leighton, W. A. Warner and R. T. Warner.

More Sycamore Records.

We are in receipt of information to the effect that on Feb. 8th, Hub. McCrea, mounted on a Syracuse wheel "broke the world's ¼-mile record paced standing start, time, 1.22 2-5—former record, 1.24 1-5, while C. S. Wells broke the world's flying start paced record for the same distance, Feb. 12th; time, 1.18 flat. Also that McCrea broke the world's standing paced mile on Feb. 14th; time, 1.49 2-5."

The Syracuse Cycle Co. add that "This is the tenth world's and twelfth Coast record broken by the Syracuse Team during their stay in California; and as Billy Hamilton has just left his home in Denver for Coronado, together with two Crimson Rim quads, one quintette and one sextette, many more records are liable to fall to the good Sycamore ere long."

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A MEDIUM PRICED STOVE

WITH INDIVIDUAL BURNER AND PROCESS FLAME



WILL be a leader in the **Vapor Stove** business for 1896. This fact is conceded by all. Examine the merits of **our "D" line** before placing your order for this line of Stoves.

More beautiful and better operating lines than our **Reliable Process** and **Single Generating Stoves** are not manufactured. . . .

The Schneider & Trenkamp Co.

CLEVELAND, OHIO. **CHICAGO, ILL.**

"THE AMERICA."

A Bicycle

Riders and Dealers Appreciate.

With up-to-date improvements and

That is Built
That Runs..
That Looks.
That Stays..

Right

"The America"



Models include not only the usual straight bar frames, but the Original and

Improved "Truss" Frame,

made and patents owned by the International Mfg. Co., under the personal supervision of the inventor thereof.

We also make the finest Tandem on the market, both double Diamond, and Diamond and drop frame.

The Union Nut & Bolt Co.

107 Chambers and 91 Reade Sts., New York.

Agents for Northern New Jersey, and Central and Eastern New York State and the Metropolitan District; also the Export Trade.

We want an Agent in every large town and City in our territory. Write for Terms. . . .

BUFFALO WHEEL CO. NIAGARA BUFFALO, N.Y. U.S.A.

This name-plate means the Best Bicycle made.

Send for Catalogue. ◆ Correspond with us.

BUFFALO WHEEL CO., Buffalo, N. Y.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Albany Ore.— Frank Dickey, bicycles, commenced business in the Y. M. C. A. Building. Will do bicycle repairing and handle sundries.

Alexandria, Va.—The National Cycle & Entertainment Co., incorporated by D. M. Garlinger, of Hagerstown, Md., who is president of the company; to buy or lease a building for bicycle racing, etc., and to sell bicycles.

Baltimore, Md.—Chas. C. Crooks & Co., bicycles, opening new store at No. 46 West Baltimore Street. They have a complete repair department. They are the Baltimore agents for the Sterling.

Brooklyn, N. Y.—The Roy Mfg. Co., of New York City, incorporated by A. X. Roy, M. Bouquet, of Brooklyn, and others; to deal in bicycles, etc. Capital stock, $17,500.

Carthage, Ind —Walter C. Henley, Hardware, etc., is preparing to take up bicycles, and invites propositions from manufacturers of wheels and sundries.

Canton, Ohio.— Dinsmore & Spencer is the name of a new bicycle firm preparing to open new store. The firm is composed of W. B. Dinsmore and T. T. Spencer, of Erie.

Chattanooga, Tenn.—Graham Cycle Co., Edward Manlove disposed of interest in company, and has commenced a bicycle business for himself at No. 13 East Eighth Street. He will handle the Rambler, Crescent, Waverley, Norwood and a line of bicycle sundries.

Chicago, Ill.—The Lincoln Bicycle Co., incorporated by Frank W. Swett, Jno. Gately and Arthur E. Swett; to manufacture bicycles. Capital stock, $10 000.

Columbus, Ohio.—The E L. Herr Bicycle Co., incorporated by Franklin J. Herr, Ernest L. Herr, A Frost, H. B. Herr and B. D. R. Herr; to buy, sell and deal in bicycles, tricycles, athletic goods, etc., at wholesale and retail. Capital stock, $15,000.

Delta, Ohio.— F. Briggs, Hardware, is preparing take up bicycles. He invites correspondence from manufacturers of wheels and sundries.

Detroit, Mich.—The L. W. Thomm Cycle Co., incorporated by L. W. Thomm, Oliver H. Lau and Isaac Paine. Capital stock, $15,000.

Englewood, N. Y.—Queen City Cycle Co., incorporated by Frank Fries, Lewis Fries, Jas. B. Isham, of Buffalo, N. Y.; to manufacture bicycles. Capital stock, $50,000.

Fond du Lac, Wis. — Martin Halfpenny & Co. are making preparations to commence the manufacture of bicycles. They will make a high grade wheel, to sell at less than present prices.

Fort Ann, N. Y.—The Hermance Safety Lantern Co., incorporated by O. W. Sheldon, M. F. Joy, I. J. Finch, C. A. Vaughn, W. R. Norris, Robert Hermance and J. J. Kearns; to manufacture safety lanterns. Capital stock, $4000.

Grand Rapids, Mich.—The Cook Cutlery Co. are reported to be preparing to manufacture bicycles.

Hot Springs, Ark.—J. E. Vaughan is preparing to commence the manufacture of a high grade bicycle.

Houston, Tex.— The Wilson, Myers & Co., incorporated by W. W. Wilson and others; to manufacture bicycles, sporting goods, etc. Capital stock, $30,000.

Hubbleton, Wis.—E. Muldane, stoves and Hardware, will take up bicycles, and is enlarging his place of business for that purpose.

Leavenworth, Kan.—Leavenworth Cycle Co. will open bicycle store on Delaware Street.

Long Branch, N. J.—I. H. Crannan is preparing a plant to do a bicycle repairing business.

Milwaukee, Wis. — The Huesby Cycle Co., organized, with W. Casper, president; H. J. Harrigan, vice-president; H. H. Casper, secretary; J. P. Kalt, treasurer, and G. G. Huesby, superintendent.

Mitchell, Ind.—W. M. Sames, Hardware, etc., is preparing to take up bicycles, and invites propositions from manufacturers of wheels and sundries.

Montgomery, Ala. — The Builders' & Painters' Supply Co. are taking up bicycles, and will handle the Cleveland and Overland.

Newark, N. J.—The Warwick Tube Co., incorporated by Chas. S. Stockton, East Orange, N. J.; Geo. L. Warwick and Alexander Milne, Newark, N. J., and Isaac H. Dreyfuss, of New York, N. Y. Capital stock, $100,000.

New York, N. Y.—B. F. Raynor, Jr. & Co., bicycles and sundries, have commenced business at No. 43 West 125th Street.

New York, N. Y.—Fred. J. Titus & Co., incorporated by Frederick J. Titus, of New York; Chas. Stebbins and Walter Jellerson, of Brooklyn; to deal in bicycles in New York City. Capital stock, $5000.

New York, N. Y.—M. J. Paillard & Co., bicycles and sundries, commenced business at No. 630 Broadway.

New York, N. Y.—The Mercantile Supply Co., incorporated by Frank Miehlfield and H. I. Andrews, of New York City; M. C. Palliser, of Dobbs Ferry, and Albert E. Lazzara, of Bay Ridge; to deal in bicycles, pneumatic tired and ball-bearing wagons. Capital stock, $30,000.

New York, N. Y.—R. H. Wolff & Co., bicycles, opened new office and salesroom in the Seymour Building, corner Fifth Avenue and Forty-second Street.

New York, N. Y.—The Persons Mfg. Co., incorporated by Chas. A. Persons, Chas. Avery, New York, N. Y., and John C. Avery, of East Orange, N. J.; to manufacture saddles for bicycles and other vehicles. Capital stock, $50,000.

New York, N. Y.—The Spencer Brake Co., incorporated by Dudley Hall, A. Mitchell Hall, E. Spencer Hall and John A. Amundson; to manufacture bicycles and cycle machines. Capital stock, $50,000.

Pittsburg, Kan.—Steps are being taken, looking to the organization of a company to establish a bicycle factory.

Portland, Ore. — The Allen & Mitchell Cycle Co., incorporated by E. W. Allen, A. B. Mitchell and E. R. Allen. Capital stock, $5000.

Rochester, N. Y.—The Rochester Pedal Co., incorporated by Frederick J. Forster, William M. Furlong, Thomas A. Houghton, J. B. Warren and John M. Stull, of Rochester; to manufacture bicycle pedals. Capital stock, $10,000.

Saginaw, Mich.—Lewis C. Quinnan, bicycles, will commence business at No. 116 North Baum Street, March 1st. He will handle the Phœnix bicycle, manufactured at Freeport, Ill.; he will also do a repairing business.

St. Louis, Mo.—The Forest Park Cycle Co., incorporated, with a capital stock of $10,000.

Syracuse, N. Y.—The W. & P. Armored Tire Co., incorporated by Martin L. Warson, Kensington, N. Y.; Edward F. Pickett, Buffalo, N. Y.; Thos. S. Fielding, New York, N. Y.; to manufacture the Warson and Pickett patent armored vehicle and bicycle tire in Buffalo. Capital stock, $100,000.

Tacoma, Wash.— The Rambler Bicycle Co., incorporated by Wm. F. Ryder, Geo. M. Schroeder and Mace C. Green; to deal in bicycles, sporting goods and sundries. Capital stock, $3000.

Toledo, Ohio.—J. H. Warwick, of Birmingham, Eng., is reported to be organizing a company for the establishment of a plant, to manufacture bicycle tubes.

Warsaw, Ohio.—The Solid Spoke Bicycle Works, it is reported, will be removed to Anderson, Ind.

Washington, D. C.— Jacob Bros., diamond importers at No. 1229 Pennsylvania Avenue, N. W., are taking up bicycles, and will handle the "Eagle" and the "Dayton."

Changes and Removals.

Columbus, Ohio. — Ernest L. Herr, bicycles, has been succeeded by the E. L. Herr Bicycle Co.

Houston, Tex.—W. Scurry, bicycles, removed to larger quarters at No. 311 Travis Street.

Rochester, N. Y.—W. E. Werner, manufacturer of bicycle pedals, reported sold to Rochester Pedal Co., newly incorporated.

Ventura, Cal.—Brakey & Fesler, bicycles, have been succeeded by J. R. Brakey.

New Goods and Improvements.

Bloomsburg, Pa.—The Bloomsburg Mfg. Co., manufacturers of bicycle locks, roller skates, etc., are preparing to enlarge their facilities.

Recent Fires.

Milwaukee, Wis.—Bolte Cycle Mfg. Co., at No. 100 East Water Street, sustained fire loss of $2500; covered by insurance. The Milwaukee Tire Works, located in the same building, also sustained slight damage.

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"UPON the integrity of each individual part depends the value of the whole. The most powerful chain measures its strength with its weakest link."

We Recognize This Fact

as is shown by the construction of the



Iver Johnson AND Fitchburg Cycles,

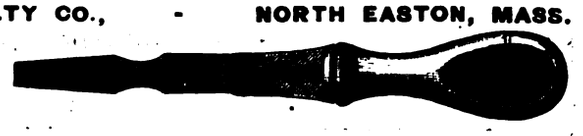
in which you will find the most scientific Fork Crown ever devised; the first really good Crank Shaft Adjustment ever made—simple, positive and certain—a forged steel Crank Hanger and forged steel Crank and Axle in one piece, and many other improvements.

WRITE FOR A CATALOGUE

C. J. GODFREY,
11 Warren St, New York.
General Agent for New York, New Jersey and Pennsylvania.

Iver Johnson's Arms and Cycle Works,
FITCHBURG, MASS.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.
Manufacturers of
Screwdrivers, Can Openers &c.
Sheet Metal Punching and
Nickel-Plating.



When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES
ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD BICYCLES

100.00
60.00
50.00
40.00

List Prices for 1896.

THE CRAWFORD MFG. CO.

BRANCH HOUSES:
New York, 70 and 72 Reade St.
St. Louis, 608 North 4th St.

Factory and Main Office:
HAGERSTOWN, MD.

New England Agents, Bigelow & Dowse Co., Boston, Mass.

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Your Business is Incomplete



If you have not added to it a line of high grade and reliable bicycles. True as this is, it is fully as true that nothing will so jeopardize your business and reputation as a line of unreliable wheels, whose only virtue may be cheapness. . . .

GOLD CRANK **FALCON** BICYCLES

Are well and favorably known from Maine to Texas. A **FALCON** agency contract is as good as greenbacks. . . .

Write for Catalogue and Discounts

The Yost Mfg. Co.,

Yost Station. TOLEDO, OHIO.

Experienced AND Progressive Dealers

are looking for a wheel for the **present and future.** Not a bicycle of the **past.** Because a wheel was popular when riders were satisfied with a **forty pound roadster** it does not follow that it is up to the mark **to-day.**

The DAYTON

Is a Modern Wheel,

right in line with the ideas and demands of **up-to-date dealers** and riders, one which attracts attention, favorable comment and **trade** wherever shown.

REMEMBER! 1 1-4 inch tubing not swaged.

The Davis Sewing Machine Co.,

Dayton, Ohio.

338-340 Wabash Ave., CHICAGO. 76 Reade St., NEW YORK. 159 Tremont St., BOSTON.

AGENTS WANTED IN TERRITORY NOT ALREADY CONTRACTED.

Mention "HARDWARE."

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Syracuse Bicycles

SPIN TO WIN.

Keep Your Eye on the Crimson Rims.

It always pays to buy the best and doubly so when the best costs no more than one not so good.

$100

THE CRIMSON RIM SYRACUSE WHEEL

is the highest type of standard high grade bicycles. Besides being one of the handsomest and prettiest wheels, it is the lightest and strongest.

There is but one Crimson Rim--
It is the SYRACUSE.

It will pay Hardwaremen to correspond with us.

Chas. J. Stebbins,

103 Reade Street, New York City.

Agent for Southern New York and Northern New Jersey.

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THE

Emblem Cycles

1896 Leaders

ARE BUILT TO RIDE.

Barrel Hubs, Wood Rims, Spokes and Nipples, in any quantity. . . . .

High Grade Wheels at a Medium Price.

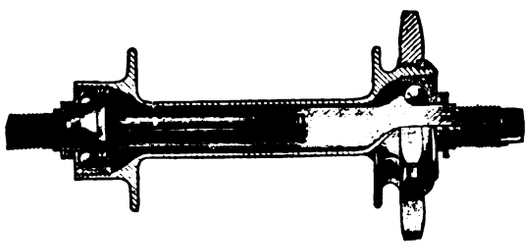
Apply NOW for Territory.

Send for Catalogue and Prices.

W. G. Schack,

641 } Main St. ◦ Buffalo, N. Y.
875 }

Truman Bicycles.



This is our Coneless Hub.

CAN YOU BEAT IT

FOR SIMPLICITY?

All our Wheels fitted with this Patent Hub.

Apply now for Territory.

Plenty of Material.

Deliveries Guaranteed.

ADDRESS,
(Cable or Mail,)

Truman,

Toledo, O.

THE CLEVELAND CYCLE

The Highest of the High Grade

$100.00

Just a Little Better

DESIGN
CONSTRUCTION
FINISH
STRENGTH
DURABILITY
BEARING
CHAIN
PEDAL
TIRES

Than Any Other Cycle.

BEST SELLING
BEST SATISFYING
BEST TRADE BUILDER
IN THE MARKET.

Address for Prices, Terms and Territory

H. A. Lozier & Co.,

BRANCH HOUSES:
337 Broadway, New York City,
830 Arch Street, Philadelphia, Pa.
304 McAllister Street, San Francisco, Cal.

CLEVELAND, OHIO.

IT PAYS TO HANDLE TEMPLE BICYCLES.

We have three factories in which we build separately High Grade bicycles, Medium Price bicycles and cheap wheels.

"It will pay you to carry one account."

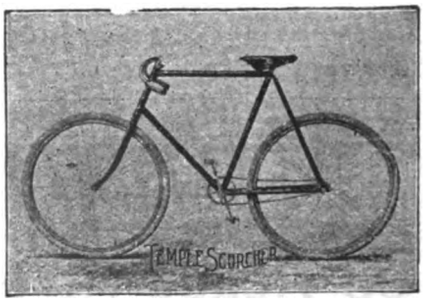
Our Bicycles are perfectly interchangeable in all parts and are the most

HIGHLY FINISHED WHEELS ON THE MARKET.

• LIBERAL DISCOUNTS •

From the following list prices—"20 models":

$40, $50, $60, $70, $80, $100.



Discounts and terms cheerfully quoted to applicants for Agency.

Ralph Temple Cycle Co.,

204 35th St., CHICAGO, ILL.

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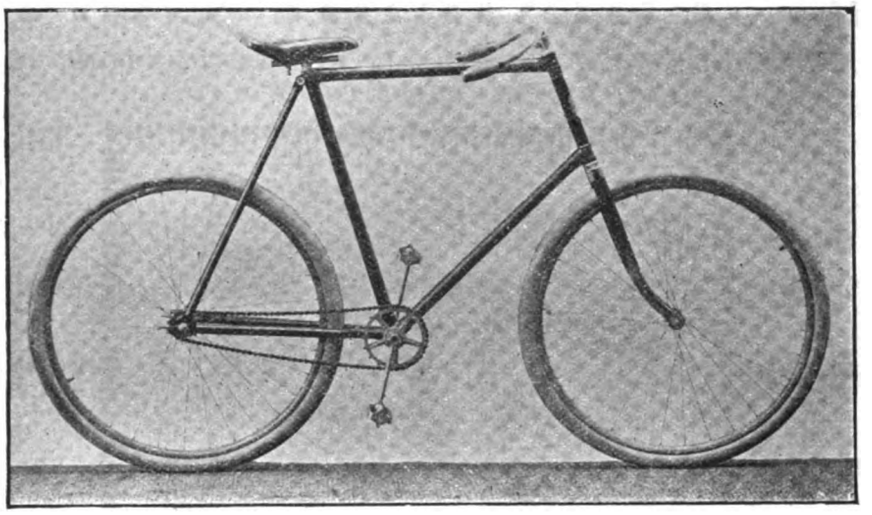
THE REPUTATION OF

CRESCENT BICYCLES

IS ESTABLISHED.

Agents will consequently find them ready sellers, and a satisfactory line to handle.

Crescent, No. 1.

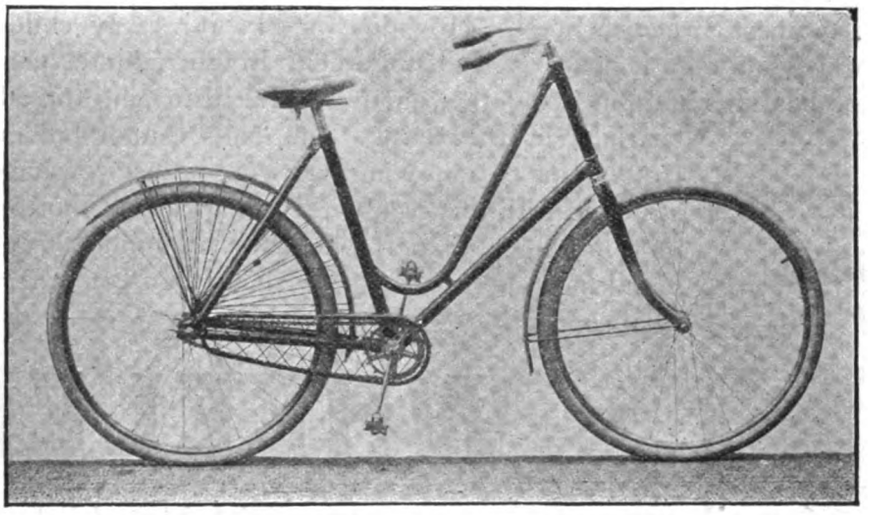


Price, $75.

The product of the largest Bicycle factory in the world.

Their quality is of the best and our immense capacity is a guarantee against disappointment in the matter of deliveries.

Crescent, No. 4.



Price, $75.

WE ARE ADDING TO OUR LIST OF AGENTS.

Western Wheel Works,

Factory,
Wells and Schiller Sts., Chicago, Ill.

BUILDERS

Eastern Branch,
36 Warren St., New York City.

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THERE IS NO MONEY IN NAILS.

Self Protection

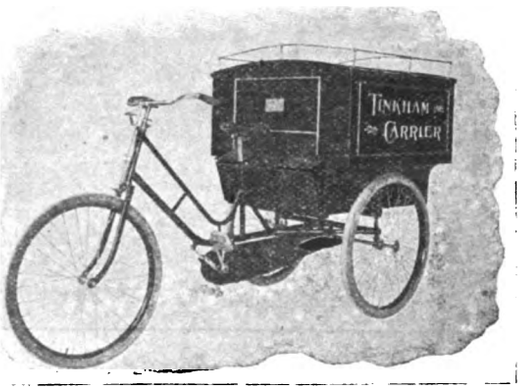
Forces the Hardware trade to sell goods with a legitimate profit with . . .

NO STRING TIED TO IT.

The Tinkham Carrier

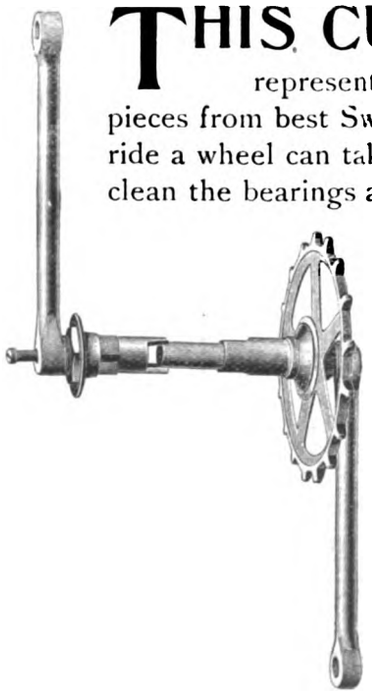
SELLS TO EVERYBODY NO MATTER WHAT BUSINESS AS LONG AS THERE ARE LIGHT DELIVERIES TO BE MADE.

CATALOGUE IS YOURS FOR THE ASKING.



THE TINKHAM CYCLE CO.,
306, 308, 310 W. 59th Street,
NEW YORK.

THIS CUT



represents our **Telescopic Detachable Crank Shaft,** forged in two pieces from best Sweedish Steel. How do you like it? Any child old enough to ride a wheel can take it apart or put it together. In four minutes you can take it out, clean the bearings and put it together again without disturbing the adjustment of the bearings in the least. The balls cannot fall out, there are no Cotter pins to annoy and vex you, in fact you have no trouble of any kind with this crank Nothing can be more simple—nothing more durable. Expert wheelmen pronounce it out of sight of any Crank now in use. Please remember you will find this Crank Shaft on every

WHEELER

Price $85.00

PATENT PENDING.

The Peer of Any Wheel on Earth.

Do not buy your '96 Mount until you have examined the Wheeler. We want Good Live Agents. It will be worth your time to write us for Catalogue and Discounts

The DEFIANCE BICYCLE CO.,
Defiance, Ohio.

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THE ONLY POSSIBLE CONCLUSION.

Why have **65** of the leading Bicycle Manufacturers of the country ordered

Sager Saddles

when they might have purchased any one of a dozen other makes for less?

Why were **281 Sager Saddles** shown at the Chicago Show, as against 191 of any other make?

Why were **252 Sager Saddles** shown at the New York Show, as against 168 of any other make?

Why do retailers specify Sagers?

Why do riders demand Sagers?

BECAUSE SAGER SADDLES ARE BEST.

SAGER MFG. CO.,

MAKERS OF THE MAJORITY OF HIGH GRADE SADDLES.

ROCHESTER, N. Y.

30 YEARS' EXPERIENCE

Working high grade metals into firearms has taught us a thing or two. Five years manufacturing Bicycles tells us the rest, and we know that there is no Higher Grade Bicycle made than the

MAJESTIC

WOMEN'S Loop Frame, 22 inches. **$85.00** **MEN'S** 22, 24 and 26 inch Frame.

. . . AGENCIES CLOSING NOW. . . .

Talking Point No. 1--Four Different Sizes of Frames.

Send for Catalogue explaining the other points.

We refer to the following, as to whether we buy their best: Rims, Dann Bros.; Tubing, Birmingham Weldless Steel Tube Co.; Balls, Simmons; Steel, Spalding & Jennings; Saddle, Mesinger; Spokes and Nipples, Excelsior Wire Needle Co.; Tires, M. & W. and Hartford; Chains, Indianapolis Chain & Stamping Co.

Hulbert Bros. & Co. 26 West 23d Street, NEW YORK.

Mfrs. Fire Arms, Majestic Bicycle, Mesinger Saddles, Sundries and Sporting Goods.

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Hardware Dealers

can net a good profit by handling **Bicycles** of recognized merit, having a well-established reputation. Unknown and inferior wheels are not profitable, even though the discount be unusually large. The . . . . . .

Remington Bicycles . .

like other **Remington Products,** enjoy a universal reputation for excellence and reliability. Eighty years' experience and up-to-date methods have brought the **Remington** to the front. . . . . .

Agencies are now being arranged in unoccupied territory. Handsomely Illustrated Catalogue, fully describing new models and their exclusive improvements, mailed free to any address.

REMINGTON ARMS COMPANY,

313-315 Broadway, New York City.

MONARCH

THE APEX OF BICYCLE PERFECTION.

IN our 1896 Models we have incorporated all the good things known to the best Bicycle Makers, including several features peculiarly our own. They are the crowning glory of our unparalleled success as builders of high-grade wheels—the concentrated extract of bicycle goodness.



WE also make **DEFIANCE,** the best of lower-priced wheels, especially adapted to the Jobbing Trade. Eight models for adults and children, $75., $60., $50 $40. Fully guaranteed.

Four Models,

$80 and $100

Agents Wanted.

Write for Terms.

Monarch Cycle Mfg. Co.

83 Reade St., New York. Lake, Halsted and Fulton Sts., Chicago, Ill.

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Wynnewood BICYCLES

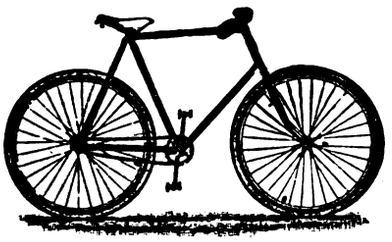
Cannot be beaten for the money.

Model	R	$100.
"	M	$75.
"	L	$75.
"	Z	$65.
"	B	$60.
"	C	$60.
"	X	$60.
"	Y	$55.
"	D	$50.
"	F	$40.

Good Agents Wanted.
Catalogue now ready.

A. M. SCHEFFEY & CO.,
97 Reade St., New York.

MEDIUM GRADE AND HIGHEST GRADE.



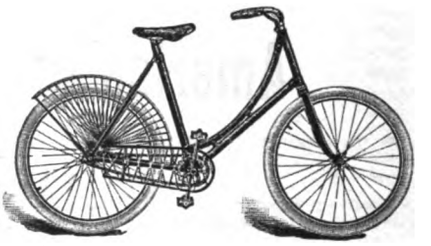
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Rochester Bicycles

Are a revelation to lovers of the Silent Steed.

Rochester Cycle Mfg. Co.,
ROCHESTER, N. Y.

PRICES
$75 AND $100





FENTONS

Have distinctive features and marked improvements above any bicycle upon the market.

The Highest Attainment in Cycle Construction.

N. B.—Fenton Wheels have Blue Crowns.

FENTON METALLIC MFG. CO.,
JAMESTOWN, N. Y.

A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

Our Tires Are All Right.

WE MAKE

Single Tube, Double Tube and Detachable Tires.

SPAULDING & PEPPER CO.,
Chicopee Falls, Mass.

A GOOD WHEEL

Is what people want, and we make it.



STRICTLY HIGH GRADE.

Our theory is not how cheap, but **HOW GOOD.** Every wheel guaranteed. Prompt deliveries insured during entire season.

Write for Catalogue,

Schlueter Cycle Mfg. Co.
Cincinnati, Ohio.

CYCLE

If you Want the **BEST** Place Your Order With the

CHAINS

Indianapolis Chain & Stamping Co.,

INDIANAPOLIS, IND.

Roger B. McMullen & Co., General U. S. Sales Agents, 130 Lake St., Chicago, and 309 Broadway, New York City. John S. Leng's Sons' Co., 4 Fletcher St., New York City, N. Y. Depot. Elastic Tip Co., 370 Atlantic Ave., Boston, New England Depot. Western Rubber Co., 14 Fremont St., San Francisco, Pacific Coast Depot.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 137 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.

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The Bicycle

Makes a Good Line, and

The Liberty

Makes a Good BICYCLE

HARDWARE DEALERS cannot afford to handle a wheel without a reputation; . . . . . *The Liberty* is

America's Representative Bicycle,

and its reputation extends from zone to zone.

Agencies placed in Unoccupied Territory.

The LIBERTY CYCLE CO.,
4 WARREN ST., NEW YORK.

Once Tried
Always Ridden.

The Quincy

THE only wheel on the market that is guaranteed for **more** than one year. It has Tool Steel Bearings, Adjustable Bars, Swell Forks, Double Bridge Crown. Large Tubing, Horizontal Lines and Handsome Finish. . . . . .

The Quincy Perfection Tandem
Breaks All Records.

Send for Hardware discounts.

The Quincy Cycle Co.
QUINCY, MASS.

WE INVITE CORRESPONDENCE

with the Hardware Trade, regarding agencies for the

SHERMAN

A strictly **HIGH CLASS,** perfectly finished Wheel,

. . . . Listed at $75.00.

The Sherman Cycle Co.,

133-139 So. Clinton St., Chicago.

THE WHEEL THAT DON'T BREAK.
Price, $75.00.





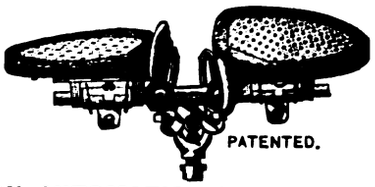
Mention "Hardware."

The "ZENITH"

has the following points of excellence tool-steel bearings, absolutely dust proof, barrel hubs, easily detached cranks, large tubing, reversible handlebar, narrow tread. . . . . .

Write for Catalogue.
Agents wanted.

Zenith Cycle Co. Manufacturers.
Binghamton, N. Y.



AN AUTOMATIC BICYCLE SEAT

that tilts in perfect harmony with the motion of the leg. It is in two sections, each independent of the other. It is the only seat that doctors say overcomes the defects and dangers of riding, such as chafing, numbness, and entirely relieves the sensitive parts.

Ask your Hardware dealer to show it, or send for particulars to the

Automatic Cycle Seat Co.,
Grand Rapids, Mich.

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Our

OF WHEELS

WERE selected with the idea of securing those most desirable for the **Hardware Trade** to handle. We seek our best agents among the Hardware Dealers, and that we have selected well is proven by the number of good and desirable agencies already placed. . . . . .

Style, Speed and Staunchness

Are a few of the good points embodied in our leader, the

SYRACUSE

A Bicycle that Leads the World for an Easy Seller.

KEEP YOUR EYE ON THE CRIMSON RIMS.

We Have Others Selling at

$100.00--$90.00--$85.00--$75.00--$65.00--$50.00--$40.00

Lots of Towns in the Country

SOME STILL OPEN.

Apply for Agency Now

Supplee Hardware Co.,

PHILADELPHIA, PA.

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1896

Lovell Diamond Bicycles.

STRICTLY HIGH GRADE.

$100.

John P. Lovell Arms Co. Lovell DIAMOND Trade Mark Registered Jan. 8th '95 Boston. Mass. U.S.A.

Lovell Excel Bicycles,

John P. Lovell Arms Co. EXCEL Trade Mark Boston. Mass. U.S.A.

MEDIUM PRICE.

$40 ~~~~~ to ~~~~~ $75.

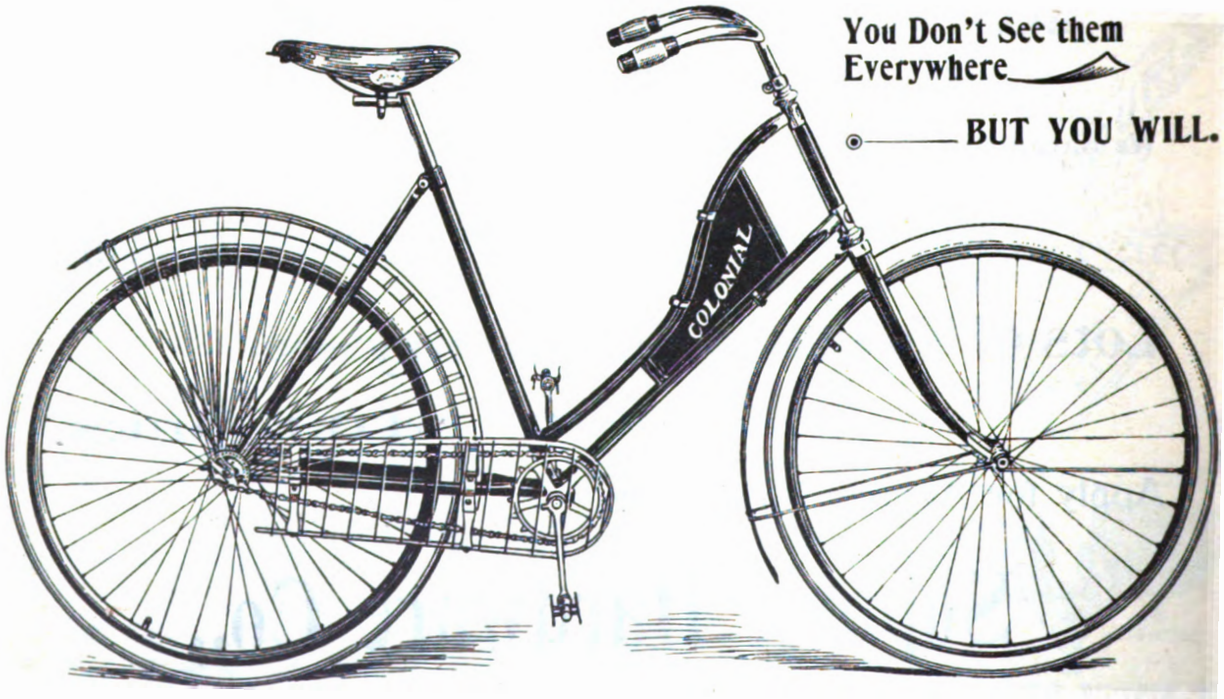
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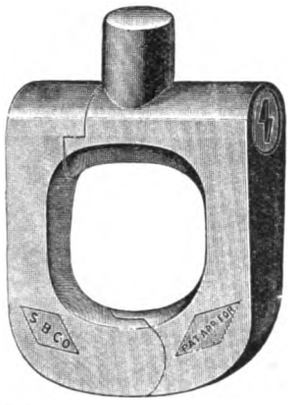
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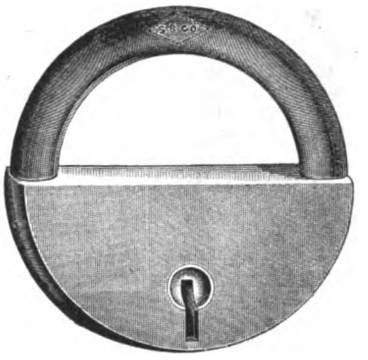
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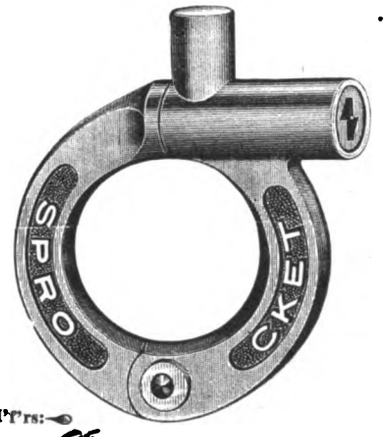
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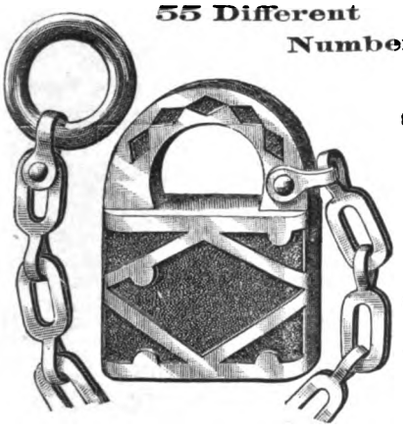
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Intending exhibitors who have not yet secured space for their exhibits, should apply at once for diagrams, application blanks, and particulars, to

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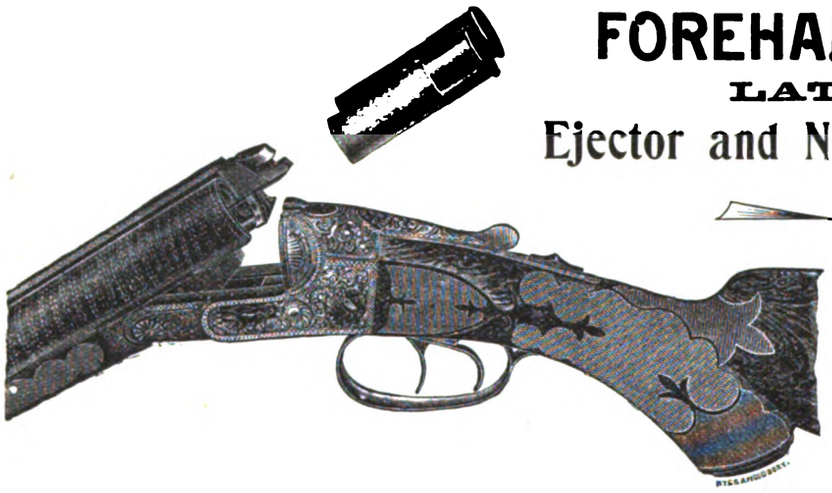
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We can furnish these tapes also with feet divided to 1-10 and 1-100.

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WE CHALLENGE COMPETITION
IN BEAUTY, WORKMANSHIP,
SIMPLICITY OF MECHANISM,
SHOOTING QUALITIES AND PRICE.

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TWO FAVORITES.

The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-65 Remington, and 38-.55 Marlin and Ballard. Made to order only.



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Ten Styles.

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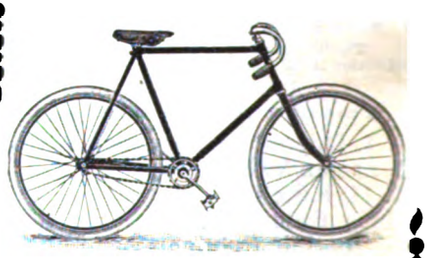
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EIGHT TUMBLERS ◉ KEY TURNING BOTH WAYS.

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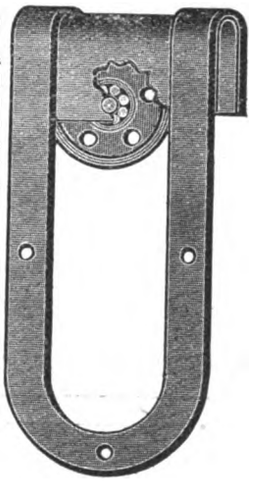


THIS HANGER is made heavy, and as shown by cut has roller bearing, same as high-priced Tackle Blocks, will run a door any distance, and we guarantee them to last a lifetime.

We have tested the rollers for one year with a weight of 3,000 pounds, running ten hours per day at 60 revolutions per minute without showing any wear.

No. 4 for 5 to 10 ft. doors $18.00 } dis.
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Packed 1 doz. pair in a case.



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ESTABLISHED 1867
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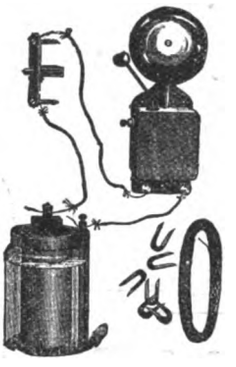
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No. 18. Office	- - -	22c. per lb.
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BELL OUTFITS,
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THE Hardware trade is rapidly taking up the Electrical business. You should investigate.

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Send us your name.

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Send for Our Catalogue.

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The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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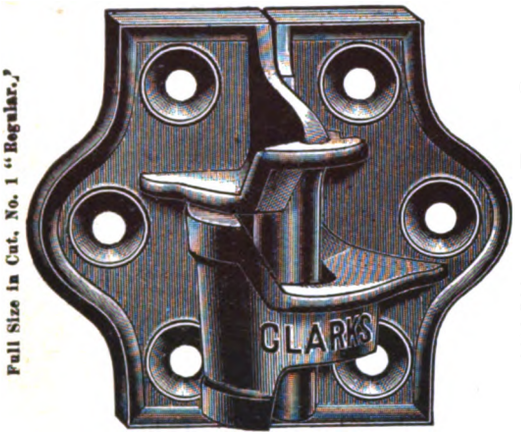
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Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.



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Manufacturers of the Genuine

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All Imitations are Counterfeits.

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Lull and Porter, O. S.; "Dixie" L. & P., and "Buffalo Reversible" Shutter Hinges; Gate Hinges and Latches, Sash Pulleys, Cast Loose Pin Door Butts, &c.

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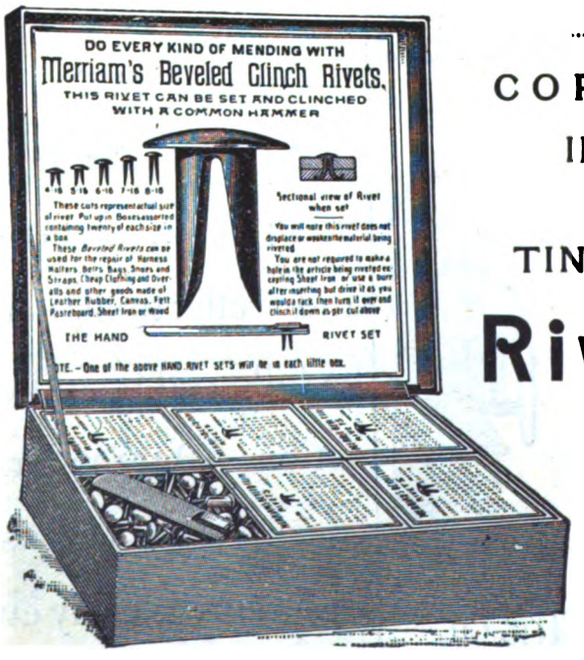
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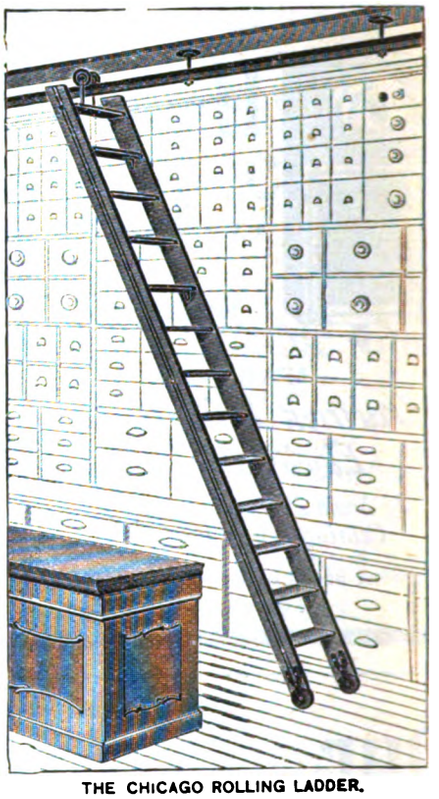
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The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

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TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.

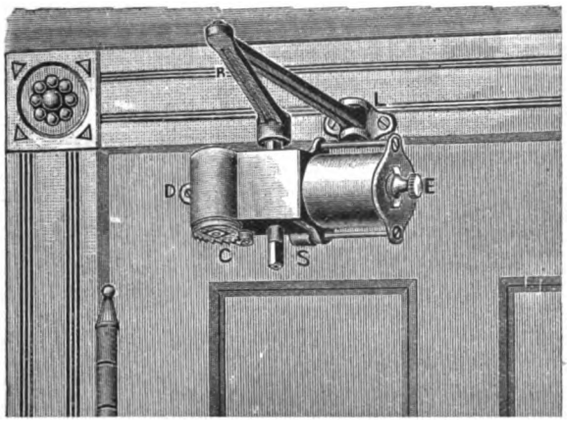


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PRICE LIST:

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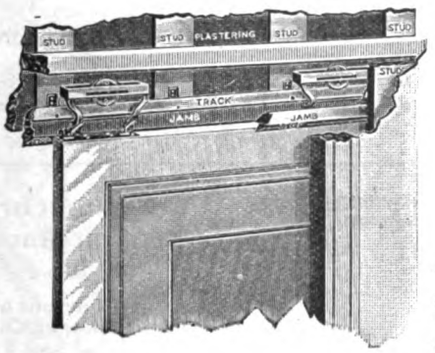
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Stearn's Steel Parlor Door Hanger



IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

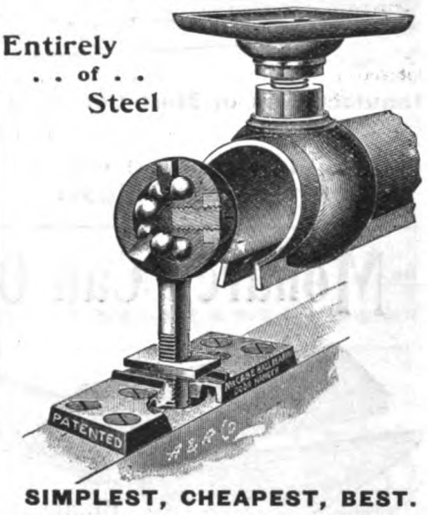
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Entirely . . of . . Steel



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They are the

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Temper
Fully Warranted.

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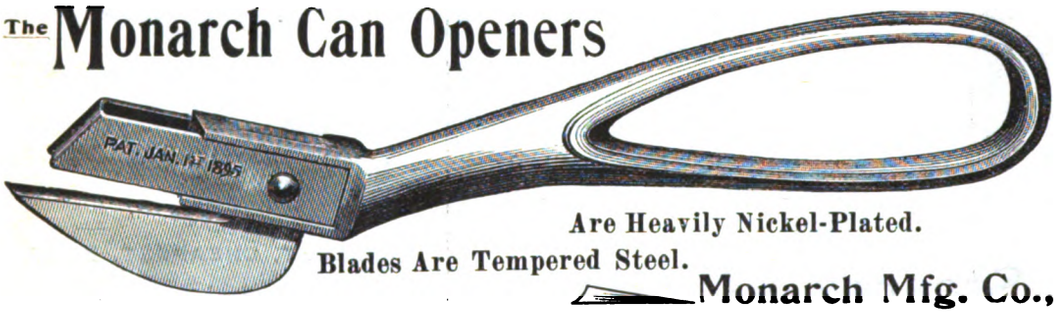


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The Monarch Can Openers



Are Heavily Nickel-Plated.
Blades Are Tempered Steel.

Works Right or
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Cuts top off or out of any
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The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

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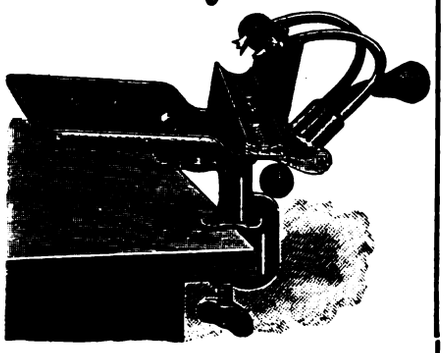
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MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

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The best made.

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Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

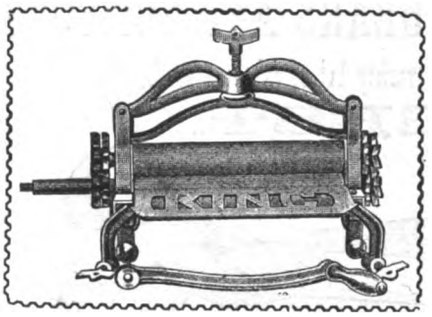
BUCK CAST BROS. STEEL
BUCK BROTHERS



BUCK'S HEAD.

WOOD AND IRON FRAME WRINGERS.

HIGH GRADE, WARRANTED.







Before placing FALL ORDERS write us for our PRICES and TERMS.

NATIONAL WRINGER & MFG. CO., Canton, Ohio.

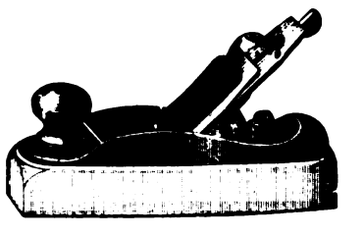
LAMSON & GOODNOW MFG. CO.,



Manufacturers of Fine Cutlery, Butcher, Druggists' and Painters' Knives, Celebrated Anchor Brand Carvers, etc.

FACTORY AND OFFICE, Shelburne Falls, Mass. **NEW YORK, 310 Broadway.** **SAN FRANCISCO, 132 Market Street.**

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THE
BEST BAILEY PLANES
ARE MANUFACTURED BY
The Samuel I. Goodall Company,
PHILADELPHIA, PA., U. S. A.

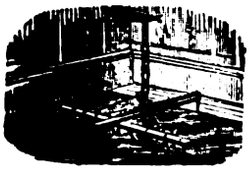


Camp's SUCCESS ANIMAL POKE



The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER and TACK HAMMER.



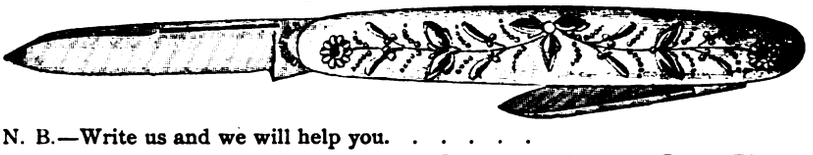
Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

NOW is a good time to carry out that New Year's Resolution

To avoid buying "cheap" Cutlery, and order a line of

TRADE
NORTHFIELD UN-X-LD POCKET KNIVES.
MARK.

Always reliable, pleasing the customer, and therefore most profitable to the dealer. . . . .



N. B.—Write us and we will help you. . . . . .

Northfield Knife Co.
NORTHFIELD, CONN.

A Mistaken Notion.

It is a mistaken notion that a line store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

ESTABLISHED, 1835. INCORPORATED, 1888.

R. HEINISCH'S SONS CO., NEWARK, N. J.
New York Office, No. 90 Chambers Street.

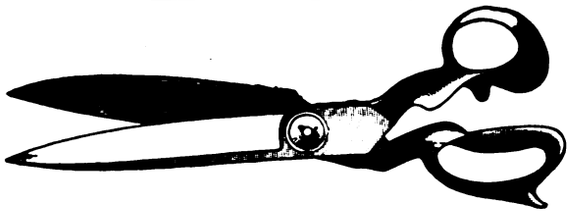


Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.
Made in great variety but of only one grade, the
BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

NOW IS THE TIME
To place orders for
G. W. BRADLEY'S
Turpentine Tools, Bush Hooks,
Drawing Knives, &c., &c., &c.

Orders received will be shipped at times specified.

Underhill, Clinch & Co.,
SOLE AGENTS
94 Chambers St. - - - NEW YORK.

The Staff of Business.

☞ BREAD IS THE STAFF OF HUMAN LIFE AND ADVERTISING IS THE STAFF OF BUSINESS.

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Our Latest is the Ormonde



And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.

THE GEO. W. STANLEY CO.,
BELLEVILLE, ILL.
Manufacturers of
Cut Tacks, Small Nails, Double-Pointed Tacks and Staples.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.

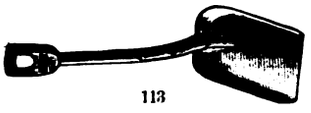


Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

Established 1873.



No. 10.



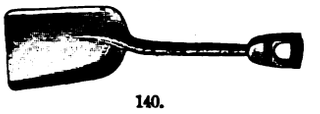
113

THE WYOMING SHOVEL WORKS,
MANUFACTURERS OF
Shovels, Spades and Scoops,
In all styles, Smooth Back, Hollow Back and Strap.
Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.
Office, WYOMING, PA. Works.
Catalogues furnished on application

Incorporated June 29, 1893.



94.



140.

At Last We've Got "'Em," SHARPENERS THAT SHARPEN!

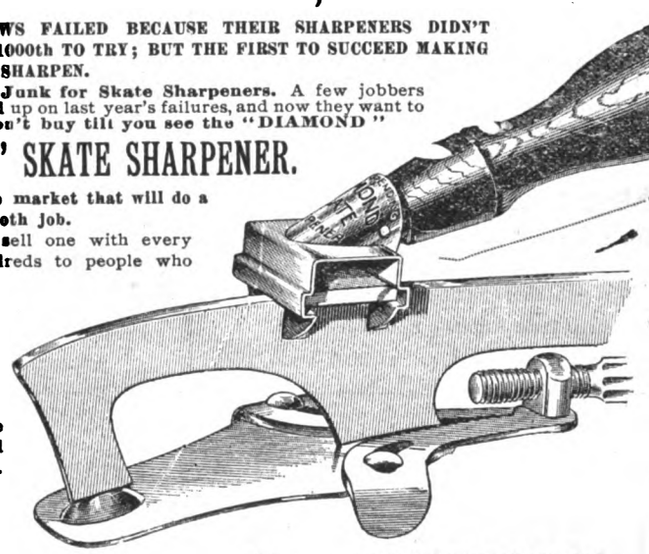
THE OTHER 999 FELLOWS FAILED BECAUSE THEIR SHARPENERS DIDN'T SHARPEN, WE ARE THE 1000th TO TRY; BUT THE FIRST TO SUCCEED MAKING SHARPENERS THAT WILL SHARPEN.

Dealers! Don't Buy Junk for Skate Sharpeners. A few jobbers were foolish enough to load up on last year's failures, and now they want to dispose of them badly. **Don't buy till you see the "DIAMOND"**

THE "DIAMOND" SKATE SHARPENER.

The only Sharpener on the market that will do a clean, smooth job.

HARDWARE DEALERS sell one with every pair of skates, and hundreds to people who already own skates.



SAMPLE BY MAIL, 25 CTS.

All our Sharpeners are elegantly nickel-plated and packed one dozen in a box.

SOMETHING ENTIRELY NEW!

Every Boy Sharpens his own Skates.

See that Pivot!

Fits the Curve of any Skate.

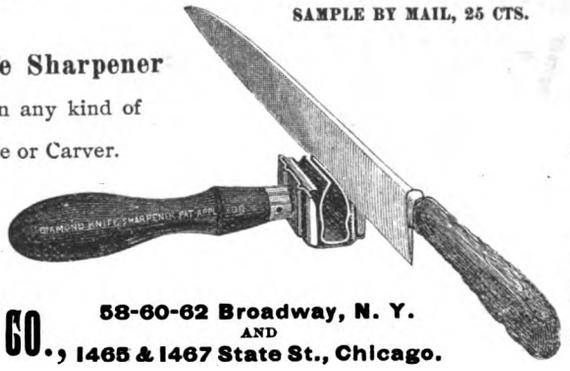
For Sale by the Following Wholesale Hardware Houses:

Dame, Stoddard & Kendall, Boston.
Russell & Erwin Mfg. Co., Sickels, Sweet & Lyon, } N. Y. City.
Logan, Gregg & Co., Pittsburg.
The W. Bingham Co. The Geo. Worthington Co., } Cleveland.
Freeman, Delamater & Co., Buhl, Sons & Co., } Detroit.
Hibbard, Spencer, Bartlett & Co. Wells & Nellegar Co., } Chicago.
Simmons Hdw. Co., St. Louis.
Wyeth Hdw. & Mfg. Co., St. Joseph, Mo.
Rector & Wilhelmy Co., Omaha.
Farwell, Ozmun, Kirk & Co., St. Paul.
John Pritzlaff Hdw. Co., Milwaukee.

The "Diamond" Knife Sharpener

Puts a **keen, lasting** edge on any kind of Bread, Cake, Kitchen Knife or Carver.

SAMPLE BY MAIL, 25 CENTS.



Write for Descriptive Circular with Prices and How to Advertise Your Business Free.

DIAMOND CUTLERY CO., 58-60-62 Broadway, N. Y. AND 1465 & 1467 State St., Chicago.

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Would IT INTEREST You?

Well, we think so, for our 1896 Catalogue describes our full line of . . . . . **Planet Jr.**

Seed Drills, Wheel Hoes, Harrows and Cultivators,

including several entirely NEW machines.



DEALERS will sell

PLANET JR.

goods in 1896 because it . . . . . **PAYS.**

Will You be One of Them?

S. L. Allen & Co.

MANUFACTURERS,

Philadelphia, - - - Pa.

EVERY FAMILY WANTS ONE!

THE "FAMILY COBBLER"



Sample Outfit sent on receipt of **$2.00.**

A Household Necessity.

Contains the following articles: Iron Clinching Stand, with three reversible feet, Shoe Hammer, Shoe Knife, Pegging Awl and Handle, Large Bottle of Leather Cement, Large Bottle of Rubber Cement, Four Pairs of Heel Plates, Package of Pegs, Package of Heel Nails, Package of Clinching Nails for Men's and Boy's Work, Package of Clinching Nails for Women's and Children's work, and

THREE PAIRS OF HALF SOLES.

Securely Packed in wooden box with hinged lid. Weight 17 lbs.

No family can afford to be without one of these Outfits. Will pay for itself many times over each year.

For Sale By All Hardware and General Stores.

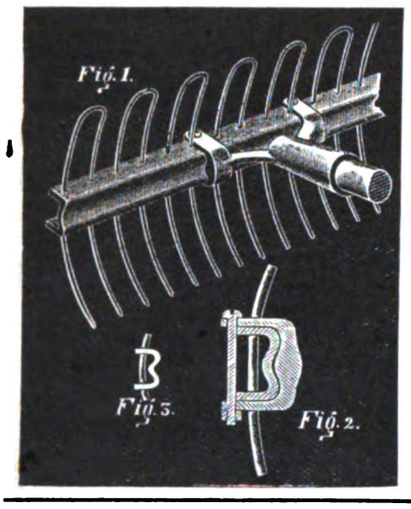
The Trade Supplied By Hardware Jobbers Generally, or by **BRANDENBURG & CO.,**

Sole Proprietors of the "Family Cobbler," the "Family Harness mender," the "Bonanza" Half Soles, etc.

CHICAGO, ST. LOUIS, KANSAS CITY, OMAHA, SIOUX CITY.

Agents Wanted. Send For Catalogue.

Sample Each, Cobbler and Harness Mender for $2.50.



SEE THAT KINK?

This Patent on **Corrugated Head** has just been allowed us. It makes the Nicest and Strongest Rake yet produced. . . . . .

WRITE TO US FOR—

Lawn Rakes,
Post Hole Diggers,
Curry Combs,
Hand Planters,
Lawn Sprinklers, Etc.

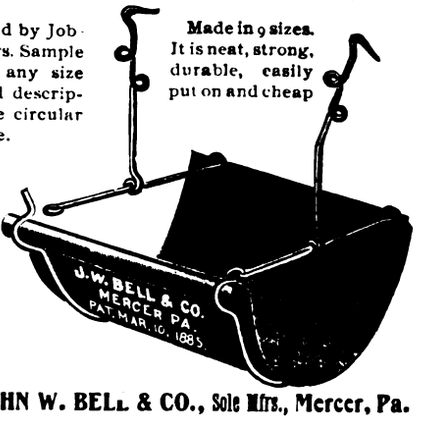
RYAN & NEEFUS, EASTERN AGENTS, 75 Chambers St., NEW YORK.

F. E. Kohler & Co., The Hdw. Specialty Mfrs. Canton, Ohio.

BELL'S Galv'ed Wire EAVE TROUGH HANGER

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap



JOHN W. BELL & CO., Sole Mfrs., Mercer, Pa.

Rhode Island Perkins Horse Shoe Co., Manufacturers of

HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

P. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.

Howard Iron Works,

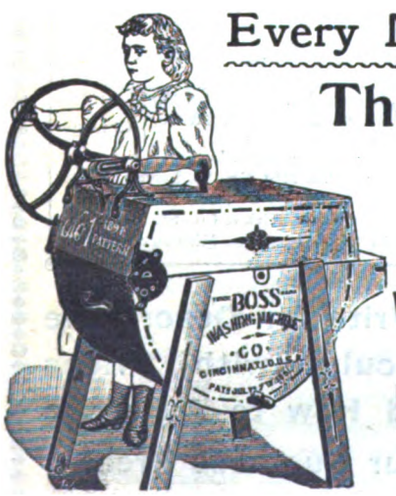
BUFFALO, N. Y.

Manufacturers of

Bench Vises.

Price Lists sent on application.

Every Machine Guaranteed to Give Satisfaction.



The BOSS and ELI... WASHERS.

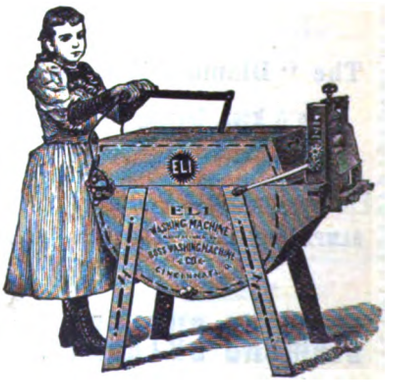
BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., Cincinnati, O.



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THE GENUINE

PHILADELPHIA

LAWN MOWERS

ARE

GOOD machines.

BETTER than others.

BEST known.

WHY?

BECAUSE WE MAKE THEM

SO.

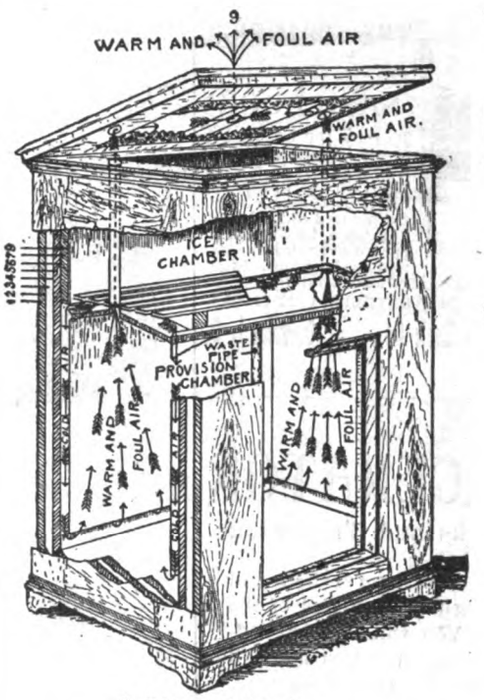
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The

PHILADELPHIA LAWN MOWER CO.

3107 & 3109 Chestnut St.,

PHILADELPHIA, PENNA.



This is a sectional view showing mode of operation of

READ'S

ODORLESS

TRADE MARK.

REFRIGERATOR

PATENTED JULY, 1895.

Odors Don't Mingle!

One dish won't taste of another. Warm air and odors are forced up and out; not back over the ice, as in all others.

A Great Ice Saver, too!

Needs no scalding out to sweeten, like all others. **The Best Made!** HARDWOOD. Send for Catalogue and Testimonials.

The Keyser Mfg. Co.,

SOLE MANUFACTURERS,

CHATTANOOGA TENN., U. S. A.

CANTON GARDEN PLOW



SEND 15 CENTS FOR ONE OF OUR

Miniature Gold PLOWS

For Scarf Pin or Watch Charm

RETAILS FOR $5.00

WEIGHT 20 POUNDS.

THOUSANDS ARE IN USE

Pronounced as one of the best Garden Plows ever offered. Three Shovels and Rake attachment, Steel Wheels, Adjustable Frame. This cut illustrates the plow. We will ship you one

AT $3.75. A SURE SELLER.

Send for catalogue and circulars of Plows, Cultivators, Corn Planters, Harrows, Etc.

PARLIN & ORENDORFF CO. Mfrs. of Agricultural Implements,

CANTON, ILLINOIS.

Branch Houses-Kansas City, Omaha, St. Louis, Dubuque, Minneapolis, Des Moines, Dallas, Decatur, Ill.

LARGEST AND OLDEST PERMANENTLY-ESTABLISHED PLOW FACTORY IN AMERICA.

THE F. & N. LAWN MOWER CO.,



Manufacturers of

Lawn Mowers AND Grass Catchers

RICHMOND, IND., U. S. A.

"The F. & N. High Grass."

"The F. & N. Standard."

"The New Delight." Popular Favorite.

"The Razor Blade." Ideal Light Mower.

Best Material, Latest Improvements, Highest Class Workmanship.

Sales Manager, George B. Main,

No. 79 Reade Street, New York, N. Y.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

COLDWELL'S IMPERIAL

HAND AND HORSE LAWN MOWERS.

LAWN REQUISITES OF ALL KINDS.

Send for Catalogue

COLDWELL LAWN MOWER CO.

NEWBURGH, N.Y.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

REFRIGERATOR
Locks and Trimmings.

Largest Manufacturers. New and Beautiful Design, Finish, and of the latest pattern. You will find our Refrigerator Hardware the best and will not fail to please all. Give us a trial. We also manufacture Locks, Butts, Knobs, House Door Trimmings, Sash Locks, Sash Pulleys, Castors, Brackets, and

General Builders' Hardware

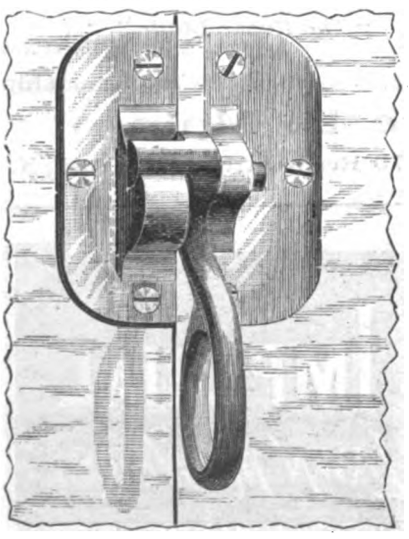
HIGH GRADE LIGHT GRAY **IRON CASTINGS,** Soft, Smooth and Easily drilled. Patented Articles a specialty. Estimates furnished on application. BRONZE, BRASS, and COMPOSITION CASTINGS, JAPANNING, METAL ART WORK, made at short nofice.

Allentown Hardware Works,

Allentown, Pa.

The CONROY PATENT
Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

ART IN REFRIGERATORS

NEW EMPIRE LINE



SEVEN WALLS TO SAVE THE ICE

THE GLACIER

SELLS BEST, PAYS BEST, WEARS BEST.

Send for Catalogue and Booklet

NORTHERN REFRIGERATOR CO.

GRAND RAPIDS, MICH.



Think Twice

Before you decide what Refrigerator you will handle.

PEOPLE who are posted will not buy a Refrigerator which has the Ice Receptacle in the provision chamber. They know that such a faulty construction induces moisture and causes mouldy food. The best informed buy only the

Leonard Cleanable.

Neither will they buy a Refrigerator from which the entire ice box has to be lifted out to clean. The Movable Flues of the

Leonard Cleanable

comprise the simplest and best method of refrigeration. There are many other reasons why you should decide to handle only the **Leonard Cleanable.**

SEND FOR CATALOGUE.

GRAND RAPIDS REFRIGERATOR CO.,

Grand Rapids, Mich.

IMPROVED CORRUGATED

BRASS SHOE NAILS.

CLENDENIN BROS., BALTIMORE, MD.

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NICKEL PLATING OUTFITS.

ZUCKER & LEVETT & LOEB CO.
OFFICES, 526, 528, & 530 W. 25TH ST.
NEW YORK, U.S.A.

SEND FOR CATALOGUE OF
NICKEL & ELECTRO-PLATING
SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St.,
248 and 250 Pearl St.

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears

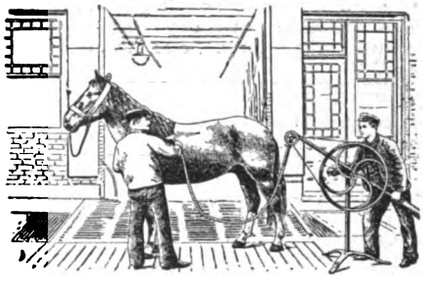


Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

Live Hardwaremen use
Perfect Shelf Boxes
. . . . .
We Manufacture
Perfect Shelf Boxes
. . . . .
Write for Catalogs and Prices

C. P. MOORE,
Box 5. Ravenswood, W. Va.

HEADQUARTERS FOR
"PRIZE WINNER" HORSE CLIPPERS.
Hand, Bicycle, Electric and Steam Power.
MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.
The WIDEST, MOST RAPID and CLOSEST cutting knives made.

THE CHEAPEST, STRONGEST, LIGHTEST and most DURABLE MACHINE made.
The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE
FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the

Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade Over 3500 in use. Over 500 sent to Europe this season. Grinding knives 50c. per pair.

Gillette Clipping Machine Co.,
201 East 23d St., New York.
WESTERN AGENTS:
J. H. FENTON & CO.,
153 Michigan Ave., Chicago, Ill.

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All Genuine Yale Hardware bears this Trefoil Trademark

Y&T

The Yale and Towne Manufacturing Company.

SALESROOMS:

New York, 84-86 Chambers St. Philadelphia, 1120 Market St. Buffalo, Builders' Exchange.
Chicago, 152-154 Wabash Ave. Boston, 224 Franklin St. San Francisco, Mills Building.

GENERAL OFFICES: 280 Broadway, New York. WORKS: Stamford, Conn., Branford, Conn.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

BUSINESS MAN (Hardwareman preferred), with $5000, to keep books, and take charge of the finances in a well established Hardware Commission House. A great opportunity for a young man who is desirous of getting into business, and is willing to work. References furnished and required. Address "J. H.," care BURDITT & WILLIAMS, Boston, Mass.

WANTED—A thoroughly competent Hardware salesman to sell our patent line of table cutlery to the jobbing trade throughout the United States. Apply in person or by letter with references to the RUSH CUTLERY CO., Springfield, Mass.

HARDWARE SALESMAN.—Wanted for western North Carolina, a first-class man commanding good trade. To such a one a liberal offer will be made. State experience, references, amount of sales. Address BALTIMORE JOBBER, care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

OFFICE assistant, 21, quick and accurare writer and figurer; best references; experienced and ambitious. Address HOFFMAN, No. 39 East 106th Street, New York City.

WANTED—By a young man of 25 a situation as salesman in a retail or wholesale Hardware store. Five years' city experience in Maine and Massachusetts. A1 references. J. A. Y., Box 208, Yarmouth, Me.

POSITION with manufacturing, wholesale or commission Hardware house, wanted by a thoroughly competent and experienced traveling salesman. Extensive Southern acquaintance. Unexceptional reference. Willing to go to any part of the country. Address "Marion," care of HARDWARE, 143 Chambers Street.

WANTED by a first-class practical metal pattern-maker in all its branches, one well up in ornamental work and a good chaser; have had nine years' experience as foreman in this line of work. Address W. W. W., No. 1462 Indiana Avenue, Chicago, Ill.

BY a young married man, 28 years old, sober, with twelve years' experience in a Hardware store. Can furnish personal references. Address L. F. S., No. 162 Massachusetts Street, Buffalo, N. Y.

BY a young married man, 23 years of age, to do any office work, keep books or help in stock. A1 reference. Salary, $12. Address S. A. E., care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted as clerk in Hardware store; have had experience, and can give reference. Address F., No. 510 South State Street, Champaign, Ill.

A YOUNG man 30 years old, with nine years' experience in a retail Hardware store, now owning half interest in a Hardware business, wants a traveling position for some good house, Hardware or similar line. A No. 1 reference. Address "HARDWARE," No. 66 River Avenue, Allegheny, Pa.

WANTED—A position as salesman in a retail Hardware and farm implement store or all-around man, or a position as traveling salesman with good wholesale house of same lines. Would accept position in any territory. Have had ten years' experience in the retail implement business and two years in the Hardware. Speak English and German. Age 34; single. Can furnish best of reference. Address J. N. W., care HARDWARE, No. 143Chambers Street, New York.

WANTED—Inside or outside position by young man; has had ten years' experience in wholesale builders' and general Hardware. Address CORBIN, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—Position as store or road salesman; five years' experience in general store, Hardware and implement trade; first-class salesman; can give good references. A. P. AYER, South Columbia, N. Y.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

WANTED by a practical metal pattern maker in all its branches, wishes to make a change on or after the first of the year, a competent designer and chaser on ornamental work, with executive ability to take charge of shop. Address MECHANIC, care T. J. Murphy, No. 1168 Indiana Avenue, Chicago, Ill.

A YOUNG man with seven years' experience on the road in the Hardware line will be open for engagement January 1, 1896. Can furnish first-class reference. Would prefer to represent some manufacturing agent or jobbing house in New York State. Address SALESMAN, care HARDWARE, No. 143 Chambers Street, New York.

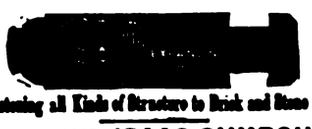
POSITION with a wholesale Hardware house wanted, by a thoroughly competent and experienced traveling salesman. Best reference from present employers. Address R. V., care HARDWARE, No. 143 Chambers Street, New York.

A SITUATION in a Hardware house wanted by a youth of 18; five years' experience. Good reference. Address J. R. B., care HARDWARE, No. 143 Chambers Street, New York.

MIDDLE-AGED man, intelligent, sober and honest, desires situation at Hardware business; willing to be generally useful; thorough knowledge of New York City. Address M. L. BROPHY, No. 42 Perry Street, New York.

YOUNG man (33), thorough knowledge in builders' and general Hardware, cutlery and kindred lines, desires position with jobbing, wholesale or export house; well posted in prices and goods; first-class accountant; A1 references. C. L., care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue. Toledo, O

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Situations Wanted.

WANTED position in wholesale or extensive retail house, by young married man, with about ten years' experience in retail store. Will be ready March 1st. Iowa preferred. Am good mechanic, and expect to work. Address W. L. J., care HARDWARE, No. 143 Chambers Street, New York.

POSITION wanted with large house by practical builders' Hardwareman (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa, Harriett & Kelly, East End.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

BY young man, 23 years of age, sixteen years' experience in Hardware, butchers' and grocers' supplies Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

TRAVELER, sixteen years with one house and well acquainted with trade in New York, Pennsylvania, Ohio, Michigan and Canada, desires to hear of opening. T. M. W, care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with nine years' experience in cutlery business a position of salesman on the road. Address A. A. S., care HARDWARE, No. 143 Chambers Street, New York.

DOUBLE entry bookkeeper, stenographer and typewriter desires posisition. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No 13 Jones Street, Wilkesbarre, Pa.

HARDWARE salesman, sixteen years' experience, wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N Y.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and cha acter. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396. New Cumberland, W. Va.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

TWO traveling salesmen want a line of goods to handle on commission; with fifteen years' personal acquaintance with the cycle, Hardware and toy trades, in Maryland and Washington. Reference given Address ENTERPRISE MFG. AGENT, Bond and Chase Streets, Baltimore, Md.

AN experienced salesman would like agency for any line of goods not represented in all, or any part, of New England. Satisfactory references as to ability, and reasons for seeking new position. Address "AGENT," P.O. Box 1077, Springfield, Mass.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman, twelve years with present house, wants line table cutlery, house-furnishing goods, tinware, or A1 specialties, in connection with old line, for Michigan, Indiana and Ohio. Address M. I. & O., care HARDWARE. No. 143 Chambers Street, New York.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter house. Best of reference if required. Address W. S. BUCHANAN. Oakland P. O., Louisa County, Va.

Side Line Offered.

WANTED—Salesmen to sell our Economy Drilling Compound and Neverslip Bar Belt Dressing; easy to sell; just the thing for a side line; salesmen who sell to manufacturers of metal products preferred. Write for particulars. THE WHITE & BAGLEY CO., Worcester, Mass.

SALESMEN for good line imported pocket knives and scissors as a side line on commission to retail trade in Ohio and Pennsylvania. "IMPORTER," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted to sell a side line on commission; Eureka safety wall pipe round, oval, square heater pipe and elbows. Write or call. THE PATERSON HEATER PIPE CO., care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE salesmen wanted in West Virginia, Maryland, New York and Virginia, to sell lubricating oils as a side line. BUCKEYE REFG. CO., Pittsburg, Pa.

WANTED—A bicycle or Hardware traveling salesman to handle A1 side line cycle sundries on commission. State references and territory. Box 235, Rochester, N. Y.

FIFTY salesmen wanted quick, to handle whips as a side line to best Hardware trade. Address U. S. WHIP CO., Westfield, Mass.

WANTED—Salesmen to sell on commission for the manufacturer, as a side line or otherwise, first-class lines of pocket cutlery, etc., in New York State and Pennsylvania. Also in Iowa and adjacent States. Address P. C., care HARDWARE, No. 143 Chambers Street, New York.

SIDE LINE—Hardware, stoves and tin. Good commission. Do you want it? "4769," Mercer, Pa.

SALESMEN wanted on commission to handle as side line or otherwise a line of leather cup valves, cylinder and plunger valves for pumps, etc. Address GEORGE OBERNE & CO., No. 383-401 North Halsted Street, Chicago, Ill.

SALESMEN wanted to sell an article weighing two ounces to the Hardware, grocery, coal and other trades. Used in every house. Commission on each sale $2.50 and up. R. K. TELLER, Unadilla, N. Y.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

For Sale.

SCARCITY of game and stringent game laws leaves me about twenty-five single and double-barrel guns and a line of gun implements, flasks, etc., to sell at a bargain. Correspondence solicited. C. F. BALLARD, Washington C. H., Ohio.

RARE CHANCE—For sale, an old established general Hardware and house-furnishing store in New Jersey, a city of 18,000 population, within twenty-five miles of New York, doing a thriving business and located on the best business corner in the city. This business can be purchased for $17,000 cash. Address L., care HARDWARE, No. 143 Chambers Street, New York.

To Let.

A DESIRABLE office to rent with the Wilmot & Hobbs Mfg. Co., No. 2 Murray Street, New York. Steam, heat, electric light and telephone.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Rubber Agency Offered.

RUBBER HOSE, Belting, Packing, etc. Mineralized Rubber is better than Vulcanized at equal prices. Local and traveling agencies granted on uncovered ground. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

Agency for England.

GREAT BRITAIN—Salesman wishes to represent a specialty house desirous of placing their goods on the English market or in the South Atlantic States Well posted and first-class references in both countries. Address KITCHIN-MEAD, No. 2145 Seventh Avenue, New York.

WANTED, agency for England by a gentleman residing in Birmingham. Thoroughly acquainted with the Hardware trade; energetic, hard-working and most trustworthy. First-class reference. Agency in the bicycle fitting line especially wanted. Address "BIRMINGHAM," care HARDWARE, No. 143 Chambers Street, New York.

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THE
CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCKS ON EARTH.

UP TO DATE.

Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

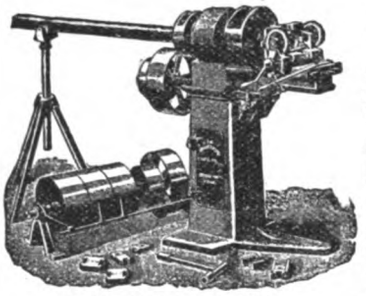
General Agents:
Topping Bros., New York.
Boston & Lockport Block Co., Boston.
Woodward, Wight & Co., Ltd., New Orleans.
Miller, Sloss & Scott, Inc., San Francisco.

PLACE
THE MATTER
CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

YOUR STOCK IS NOT COMPLETE
Without a Line of





No. 2½ MACHINE.

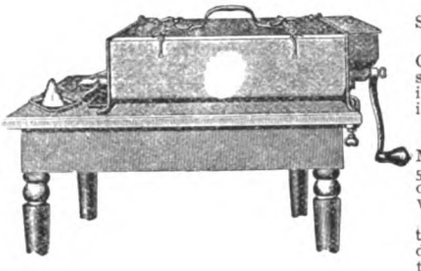
The "ARMSTRONG"

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.
—NEW YORK OFFICE: 139 CENTRE STREET—

Polar Star Instant Ice Cream Freezer.



A Marvel to all who behold it in operation.

Size, 21x7x7. Retail Price $3.75. Capacity unlimited

It makes perfectly smooth ice cream with all milk. Cream added makes it somewhat richer, but not smoother. It makes very superior, smooth water ices, frozen fruits, frozen custards, sherbets, etc., and is a very simple, convenient and economical freezer.

No Gearing, cogs or fixings to get out of order.

Noiseless in operation. A child can operate it. Makes a plate of ice cream in 30 seconds or a quart in 5 minutes. All other quick freezers merely SCRAPE it off a tin surface of some kind, but do not BEAT IT or WORK IT.

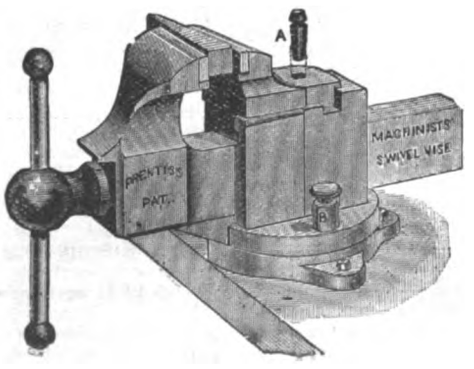
Our Freezer **Mixes, Mashes, Pulls, Grinds** and **Whips** the cream more in **30 seconds** than any paddle freezer does in **30 minutes.** Dealers will do well to investigate this promptly. Correspondence solicited.

Manufactured solely by Polar Star Freezer Co.,

Send for particulars and discount. 235 LEVANT ST., PHILADELPHIA, PA.



ATHOL MACHINE CO.,
Athol, Mass., U. S. A.
Manufacturers of
Vises, Meat Choppers,
Mechanics' Fine Tools, &c.
Send for 1896 Catalogue.



PRENTISS' PAT. VISES
The Leaders for 20 Years.
Send for Illustrated Catalogue of
ALL KINDS OF VISES.
Prentiss Vise Company,
MANUFACTURERS,
44 Barclay St., New York.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₱ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball..$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....25
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS LOADED—
Standard List July 19, 1890.40&10& 10@40&10&10&10&5%

GUN WADS—₱ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
20&5%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₱ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, ₱ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₱ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, ₱ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₱ bag.....$1.55
Buck and Chilled Shot, 5-lb bags, ₱ bag.....$ .35
Dust Shot, 25-lb bags, ₱ bag....$2.00
Dust Shot, 5-lb bags, ₱ bag ....$ .50

POWDER—
Laflin & Rand:

Rifle extra, kegs	25 lb	$3.25
	12½ lb	1.90
	6¼ lb	1.10
Rifle special, kegs	25 lb	4.25
	12½ lb	2.40
	6¼ lb	1.35
Creedmoor, kegs	6¼ lb	1.10
Ducking, kegs	6¼ lb	3.00

[For 1 AR lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each ..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$8.00
Eagle Duck Shooting, Nos. 1, 2 nd 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb. 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₱ doz. $3.80
Galien Safety.....₱ doz. $3.75
Hartman's Pivot.....₱ doz. $4.75

Anvils—

Eagle Anvils, ₱ lb 9c.....15@15&5%
Peter Wright's.....10@10¼c
Armitage's Mouse Hole.....9¾@9¾c
Trenton.....9@9¼c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4.00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16	24-16	
$10.00	$11.00	$12.00	$14.00	

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist..... 45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 20&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₱ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..30%
Cincinnati Expansive.....25&10&10%
Sargent's Expansive..... 20&10&10%

GIMLET BITS—
Diamond ₱ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₱ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood.40@ 40&10%
Syracuse, for metal.50&10&5@60&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@40&5%
Snell's .....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg ₱ gr.....$1.50@$1.55
Pat. Peg ₱ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. ₱ gr...$1.30@$1.40
Handled Brad, ₱ gr.....$2.50@$3 00
H'ld Scratch ₱ gr.....$4.00@$4.50
Socket Scratch ₱ doz....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₱ doz. $7.50; No. 20, ₱ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands.$5.25@5.50
First quality, other " $4.75@5.00
Beveled add 50c ₱ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 lb.....₱ dos. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₱ doz. 75c 88c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%
Enterprise Barrel Jack Truck and Stand, each..... ...$5.00

Beef Shavers—

Enterprise:
Japanned, each.....$6.50
Tinned, each.....$7.50

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's.....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Ball Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.50&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...66⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₱ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9, 25&10&5%
McGill's.....₱ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 ₱ doz.....30%
Millers Falls ₱ doz. $4.50.....

Bit Holders—

Extension:
Millers Falls Barber's, ₱ doz. $15 40@40&10%
Ives' ₱ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..₱ doz. $3..33⅓@33⅓&10%
Excelsior..₱ doz. $10.00....50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls ₱ set $1.00.....20%
Austin & Eddy ₱ gro. sets.....$5.50
Gorhams Improved Star Tenon ₱ gro. $1.00.....25%
Mackerell's, ₱ doz. $1.00..20@20&10%
Merriman's Brass Lever ₱ gr. $15.00
Merriman's Iron Lever ₱ gr...$9.00
Security Gravity ₱ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₱ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel ....60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....80%
Wr't Shutter, all iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com. Jan 30, '96.....65&12½%
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila., Eagle, list $3.40.....80%
R. B. & W., old list.....70&10&3%
Machine list Jan. 30, '96.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....67½%
American Screw Co.:
Norway, Pa., list July 1, '95.....75%
Eagle Phila., list July 1, '95.....80%
Bay State, list July 1, '95.....67½%
B. R. & W., list Oct. 15, '94.....80%

STOVE AND PLOW—
Stove.....67½%
Plow.....60&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....67½%

Bone Mills—

Enterprise.....20%

Boring Machines—

	Without Augers. Upright.	Angular.
Douglass'.....	$5.50	$6.75..... 50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 50@ 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—

Humason, Beckley & Co.'s.70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co.60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30..... 60%
Nos. 117, 118, 119.....0@70&7½%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s 60@60&10%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....35%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....80&10@80&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Kell & Son..40%
Norwich Lock Mfg. Co. Bronze..3 %

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5
Fast Joint, Broad 50&10@50&10&10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned.....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@80%
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@75&5%
Loose Pin, Acorns, Jap. 70&10@75&5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....5&10@80%

WROUGHT STEEL—

List, April 1, 1895.
Narrow, No. 8 0.....
Narrow, Loose Joint, No. 802..
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 825.....
Extra Light, No. 826.....
Light Reversible, No. 834.....
Light Loose Joint, No. 836.....
Wardrobe, Ger. Pat. No. 837⅓.
Light Narrow, No 838.....
Loose Pin, Light Nar., No. 840
Light Inside Blind, No 842....
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 832.....
} 75&5@75&10%

Can Openers—

Messenger's Comet..⅌ doz $3.00, 35%
American.....⅌ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ⅌ gr. $12.00....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, Iron Handle.⅌ gr....$2 20@2 25
Eureka.....⅌ doz. $2.50.....10%
Sardine Scissors...⅌ doz. $2.75@3.00
Dunlap's Sardine Scissors, ⅌ doz. $5.00....25%
Star.....⅌ doz. $2.75
New Sprague, Metallic Handles, ⅌ doz.....50c
New Sprague, Wood Handles, ⅌ doz.....60c
World's Best, ⅌ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ⅌ gr $9.00
Goodell's Acme, ⅌ gr. $8.00; ⅌ doz.75c
Universal, ⅌ doz. $3.00..... 55&5%
Domestic, ⅌ doz. $2.00.....45%
Champion, ⅌ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ⅌ gro $7.00.....50%
Kohler's Cyclone.....⅌ doz. 75c
Kohler's Lightning.....⅌ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@25%
Cotton.....2 @25%
Wool.....2 @25%

Carpet Stretchers—

Cast Steel, Polished.....⅌ doz $2.25
Cast Iron, Steel Points.⅌ doz.75@90c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....⅌ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....⅌ doz. $36.00
Gold Medal.....⅌ doz. $27.00
Prize.....⅌ doz. $27.00
Premier.....⅌ doz. $27.00
Superior.....⅌ doz. $27.00
Cosmopolitan.....⅌ doz. $27.00
Furniture Protector, Japanned.....⅌ doz. $24.00
Furniture Protector, Nickel.....⅌ doz. $27.00
Inter Ocean.....⅌ doz. $27.00
Hall.....⅌ doz. $48.00
Crown Jewel, japan finish, ⅌ doz $19 00
Crown Jewel, silver bronze trimmings, ⅌ doz.....$30.00
Crown Jewel, nickel trimmings ⅌ doz.....$21.00
Excelsior.....⅌ doz. $22.00
Garland.....⅌ doz. $18.00
Grand Rapids, Jap..⅌ doz. $24.00
Grand Rapids, Nick..⅌ doz. $27.00
Housewife's Delight..⅌ doz. $15.00
Improved Parlor Queen Japanned.....⅌ doz. $24.00
Improved Parlor Queen Nickeled.....⅌ doz. $27.00
Standard.....⅌ doz. $24.00
Bissell's Child's Sweeper ⅌ doz.....$8.00

Casters—

Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&1%
Deep Socket.....60%
Martin's Patent (Phoenix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50%
Yale Gem.....70&10%
Giant Truck Casters.....35%
Stationary Truck Casters.....50&1%
Socket Truck Casters..45&10@ 5& 10&10%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....5%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screw Door Latches.....70%
Screw Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....65&5%

COW TIES—

American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

American Coil, in cask lots at fact
3-16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾
$6.75 8.00 4.00 3 75 3.50 3.40 3.30 3.15
Less than cask lots, add ¼c @ ½c ⅌ lb.
Trace, Wagon and Fancy Chains, 60&10&1 @70%
Covert Mfg Co.....45%
German Coil.....7 @70&10%
German Halter Chain...7 @70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....4 @2%
Covert's Heel Chains.....45&2%
Covert Mfg. Co. Chains.....45%
Covert Saddlery Works:
Breast Chain.....6 &2%
Hitching Chain.....6 &2%
Rein Chain.....6 &20%
Galvanized Pump Chain, with Buckets.....6¼@6½%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

P. S. & W.
Winslow Edge Tool Co.
Ohio Tool Co
Swan
Sag Harbor Tool Co.
Jennings & Griffin Mfg. Co.
Mix.
} 75@10&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@5.00 to £
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....30%
Jennings & Griffin Mfg. Co. Drawing Knives.....75&10&10%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality, ⅌ lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each 2.00.....30%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....6%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 5%&10%
Carriage Makers', Sargent's..50&1.@70&10&5%
Carriage Makers' P.S. & W. Co.. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....2 &70%

Cleavers—

Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—

Brown & Sharpe's Champion American Clipper).....$5.00
Clarke's (Imported).....3.50
Albion L (for left hand)....3.50
Foxhall.....3.50
Automat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse).3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips...60%&10@ 10%@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&10@60&1&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer....25%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....25%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's.....33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....⅌ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N. R. G Gloves...⅌ doz. $12 00
No. 625 Gloves.....⅌ doz. 4.50
No. 125 Gloves.....⅌ doz. 6.00
No. 150 Gloves.....⅌ doz. 9 00
No. 55 Gloves.....⅌ doz. 8 00
No. 48 Gloves.....⅌ doz. 9.00
No. 52 Gloves.....⅌ doz. 7.50
No. 142 Gloves.....⅌ doz. 7.00
No. 158 Gloves.....⅌ doz. 6 00
No. 062 Gloves.....⅌ doz. 8.00
No. 147 Gloves.....⅌ doz. 4 50
Wrist Supporters....⅌ doz. .75
No. 160 Husking Pin..⅌ gro. 7.00
No 165 Husking Pin..⅌ gro. 10 50
No. 170 Husking Pin..⅌ doz. 2 00
Hubbard's Solid Steel.⅌ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ⅌ doz. $2.00; E, $1.75.....6%
Wrist Supporters.....⅌ doz. 75c
Mittens.....⅌ doz. $1.50
Ashtabula.....⅌ gro. $2.50
Brinkerhoffs.....⅌ gro. $15.00
Buckeye.....⅌ gro. $4.00
Cleveland.....⅌ gro. $7.50
Johnson's.....⅌ gro. $6.50
Universal.....⅌ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's
Eclipse.....⅌ gro. $3.75
Emerald.....⅌ gro. 5.00
Oriole.....⅌ gro. 5.00
Rainbow.....⅌ gro. 2.81
Solid.....⅌ gro. 7.50

Curry Combs—

Spring, Jap'd ⅌ doz $1.75; Blued, $2.25; Nickeled, $3.00.
Rubber, ⅌ doz. $7.60.....20⅌10%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....⅌ doz. $1 75
F. E. Kohler & Co.'s Humane ⅌ doz. $1.60
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½
$1.25 $1.43 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List, 50&10&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)..50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....30%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete..$9 50&10%
Thaxter Electric Lock, list....$25.00

SPARK COIL—

Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan., 1892.....33⅓%

Door Springs—

Torrey's Rod, 39 in, ⅌ doz $1 20@1.25
Bee Rod ⅌ gr., $20.00.....20%
Warner's.....5@5&5%
Gem (Coil), list April 19, 1886..25&10%
Star (Coil), list April 19, 1886..20&10& 10%
Foster's (Coil).....25%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ⅌ doz, $12.00; No. 2, $15.00.....50@50&10%
Rubber, complete, ⅌ doz. $5.50, 60%@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.
Mix
New Haven.....
} 80@80&10%
Merrill.....60&10@80&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White.....2 &5%
Bradley's.....35%
Adjustable Handle.....25@33⅓%
Wilkinson's Folding.....25@50&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1 75
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $1.0..25%
Breast, Bartholomew's No. 12, ₱ doz.....$18.00
Hatchet, Merrill's.....20@25&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....20@30&5%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting..33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1.85
Stearns' Bench.....50@50&10%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—

National.....₱ gro $1.50
Paine, Diehl & Co.'s Keystone..33⅓%
Dover (Standard Co.).....₱ gro $9.50
Dover Extra Heavy (Standard Co.) ₱ doz $2.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$3.00 each less 50%
Annunciators, $1.50 ₱ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..6 c. ea., less 50%
Batteries, Medical $8.00 ea., less 50%
Batteries, Dry.....50c ea., less 50%
Bells, Electric 2½ 50c ea., less 50%
Call Bell Outfit, Electric...$2.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric..24 c. ea., less 50%
Early Risers' Set, Electric, $3.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5 c. ea., less 50%
Gravity Batteries, $1.00 ea. less 50%
Hydrometers...75c. each, less 50%
Incandescent Lamps 4 c. each, less 50%
Induction Coils, Telephone 60 c. each less 50%
Lead Covered Wire No 18, No. 16 No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Wood..10c. each, less 50%
Push Buttons, Bronze, 20c each, less 50%
Sal Ammoniac...18c. ₱ lb., less 60%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt.. 24c. each, less 50%
Switches, 3 pt....18c. each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $2.40 ea., less 50%
Spark Coils 12 pt.....$2.80 each, less 50%
Tape, Insulating, 80c. ₱ lb. less 50%
Tube, Speaking, $21.00 ₱ 1,000 ft. less 50%
Whistles, Speaking Tube, Porcelain.....75c ₱ doz., less 50%
Whistles Speaking Tube, N. P. 2.00 ₱ doz., less 50%
Wire Winders, $10.00 each, less 50%
Window Springs, Electric...20c each, less 50%
Yale Lock Switch, Electric, $2.50 each, less 50%
Zincs, Leclanche..04c. ea., less 5%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CFF
Kegs, ₱ lb.	4½c	5c	8c
½ kegs, ₱ lb.	4½c	5½c	3½c
¼ kegs, ₱ lb.	5c	5½c	3½c
10 lb cans, 10 in case....	6c	6½c	5½c
10 lb cans, less than 10..	10c	10c	8c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....70%

Enameline—

No. 4, ₱ gro.....$4.50
No. 6, ₱ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—

John Sommer's Pearle s Tin Key.40%
John Sommer's Brass Tin Key 50%
John Sommer's No Brand Metal Key.....60%
John Sommer's W. P. Metal Key.40%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's Reliable Cork Lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Chicago Cork lined.....60%
John Sommer's O. K. Cork Lined 50%
John Sommer's Perfection Cedar, 6%
John Sommer's Cedar (in bbls.) 50&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....40%
Burnside's Red Cedar, bbl. lots 60&10%
Self-Measuring:
Enterprise ₱ doz. $36.00.....33⅓%
Lane's ₱ doz. $36.00.....4%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt ..	$3.00	$3.50	$4.00
Dairy Pails, 14 qt..	3.30	3.80	4.30
Fire Pails, 14 qt., stencilled "fire"	3.40		
Prison Pails, 16 qt. (with cover)	6.50		
Buggy Pails, 7 in. high.	2.60		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)	3.70		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt ..	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Chamber Pails, (flat cover, knob) Nos. 5 a d 5x 14 qt	5.00	6.00	6.50
Commode Pail, (with ri g only) Nos. 5 and 5x 14 qt	4.50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1.40	1.70	2.00
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2.00
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls, ...	2.30	2.90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4.00
Pitchers, 10½ inch high..	4.00	4.70	5.20
Milk Pans.....	1.80	2.00	2.20
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11½ inch.....	2.30	2.80	3.10
Waste Paper Jars.. ..	3.00	4.00	4.50
Mats, 8½ inch (for table use)	.50	1.00	1.20
Mats, 15 inch (for cuspidores, etc.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Cuspidors, 9x7½ inche, (anti-tip-over).....	5.50	6.50	7.00
Spittoons, Display, 8½ in (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Peck Measures.....	2.80		
Half Peck Measures...	2.50		

Files—

DOMESTIC—
Best Brands.....60&10&10@70%
Good Brands.....70&5@75%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&10&10%
IMPORTED—
Stubs.....Stubs' list, 25&30%

Filters—

Seed's Water Filters:
A 1, $4.00 No. 2, $2.50 No. 3, $1.50 No. 4, $1.00 ₱ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10
Kirby & Limerick, low list (60% base).....10%

Fish Scalers—

Covert's Saddlery Works: Great American.....60&2%

Fluting Scissors

List.....45%

Forks—

Hay, Manure, &c., Asso. List.....5%
Hay, Manure, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....net
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....net
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....net

Fry Pans—

Standard List:

No.....	0	1	2	3	4
₱ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₱ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20.....
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....2%
Wire, Brown & Sharpe's.....5
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₱ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₱ gro...$4.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₱ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid.....25@30%

Glue Pots—

Tinned.....50@50&10%
Enameled.....50@50&10%
Family, Howe's "Eureka".....40%
Family, L. F. C.'s "Handy".....50%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P. S. & W. Co.....50&10&10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₱ dos. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
Halters, Leather.....60&20%
Web and Rope Halters.....60&20%
Horse and Cattle Ties.....60&20%
Upson & Wooding.....40%

Halter Leads—

Covert Mfg. Co.....45%

Hammers—

HANDLED HAMMERS—
Maydole's.....25&1 @25&10&10%
Buffalo Hammer Co.... / Humason & Beckley... / Atha Tool Co..... } 50&10@60%
C. Hammond & Son. List..40&10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₱ doz..... Nos. 1, $3; 2, $6..... .....33⅓%
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₱ doz. $6.25.45%
Upholsterers Heavy, ₱ doz. $7.60 45%
Upholsterers Usual French, ₱ doz. $10.00.....45%
Upholsterers Solid Steel, French ₱ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₱ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....50&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb...₱ lb 40c / 3 to 5 lb.....₱ lb 36c / Over 5 lb.....₱ lb 30c } 75@75&5%
Wilkinson's Smiths...10c@10½c ₱ lb

Hammock Ropes—

Covert Mfg Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$.90	1.00	1.08	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@ 50&10&10%
Roggin's Latches ₱ doz.....28c@3.c

STORE DOOR HANDLES.—
Japanned Nuts.....$1.62
Bronzed.....60&10@60&10&5%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....10&3%
Brad Awl.....₱ gr. $2.00
Hickory Firmer Chisel, as ₱ gr 4.50 / " Firmer Chisel, large ₱ gr 5.00 } 10&10@5%
Apple Firmer Chisel, as..₱ gr 5.00
Apple Firmer Chisel, large ₱ gr 6.00
Socket Firmer Chisel, as. ₱ gr 3.00 }
Worcester Leather Cap'd Chisel. 25%
File, assorted.....₱ gr 2.75 }
Auger, assorted...₱ gr 5.00 } 50%
Auger, large.....₱ gr 7.00 }
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₱ set $1.25
Pat. Auger, Swan's.....₱ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc. 6 &10@6%& 10&10

CROSS-CUT SAW HANDLES—
Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45₱ 45&10%
Sensible.....₱ dos. pr. $5....60%

Hangers—

Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $20.00; No. 3 $25.00; No. 4 $35.00.....7 %
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction 60&10@ 60&10&5%
Duplex (Wood Track).....60&10&5%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60& 0&10&5%
Terry's Wrought..... 6 &10&10%
Munger Hanger.....20&10%
Davis Parlor Door..... 50@50&5%
Cronk's Steel cov'd Anti-Frict...60%
Cronk's Acme, Flat Steel ₱ dos. $7.00.....75%
Queen City Reversible...75&10&5%
Felix, ₱ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....50@50&5%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&5@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning, from jobbers.$6.50@$7.50
Gem.....₱ doz $12
Wadsworth's.....40&7½@40&10%
Carter's Needle..₱ doz $11.50@$12.00
Heath's.....₱ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₱ dos $10.00

Hinges—

WROUGHT IRON HINGES—
Strap and T.....75&10@80%
Corrugated Strap and T..75&10@80%
Hart's Pat. Heavy Strap.....30%

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Screw Hook and Strap. { 6 to 12 in., ℔ 3 c; 14 to 20 in., ℔ 2½c; 22 to 36 in., ℔ 2 c
Rolled Blind Hinges Nos. 32 and 34 50&10&10@50&10&5%
Rolled Plate .....70&10@70&10&5%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 6 to 12 in. ℔ D, 5c. 14 to 36 in. ℔ D, 4c.

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts..40%
Bardsley's Patent Checking.....15%
Kell's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
American.....20%
Empire and Crown.....20%
Stover Ideal ℔ gro.....$18.0
New Idea, No. 1, ℔ gro.....$12
New Idea, No. 2, ℔ gro.....$24.
Hero and Monarch.....55%
American, Gem and Star.....30%
Oxford.....20%
Barker's Double Acting.....25%
Union Mfg. Co.....25%
Bommer's.....35%
Buckman's.....25%
Chicago.....30%
Wiles' No. 1, ℔ gr., $16.00; No. 2, $18.00
Devore's No. 1.....℔ gr. $13.00
Rex.....℔ gr. $13.00
Royal Japanned.....66⅔%
Royal Bronze.....40%
Reliable.....60%
Champion.....60%
Matchless No. 10.....70%
Victor.....℔ gr. $10.00
Torrey.....80%
Rubber.....66⅔%

GATE HINGES—
Western, ℔ doz $4.20, 60&10@60&10&5%
N. E...℔ doz $7.80, 60&10@50&10&5%
N. E. Reversible..℔ doz $5.60, 60&10@50&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..℔ doz $4.90, 60&10@50&10&5%
Automatic.....℔ doz $12.50, 50%
Kell's Superior.....20%
Common Sense..℔ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3.60&10@60&10&5%
Sargents.....60%
Reed's Latch and Hinges...℔ doz $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....60&10@60&10&10%
Clark's Nos. 1, 3, 5, 40 and 50.75&10&5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75&10%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&2½%
Stanley's Steel Gravity Blind Hinges, ℔ doz. sets $1.80.30&1 @40%

Hitching Cords—
Covert Mfg. Co.....45%

Hoes—
HANDLED—
Garden, Mortar, &c.....75&30%
Planter's Cotton, &c.....80&20%
Warren Hoe.....60&10%
Magic.....℔ doz $4.00
Dunlap's:
Boys'.....80&10%
Ladies'.....80&10%
Toy.....80&10%

EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.20&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Maslin Kettles.....75&10@80%
Boilers and Saucepans..60@60&10%
Tinned Boilers and Saucepans, 60@60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware... 60&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&15&5%
Rogers & Brother.....40&15%
Hartford Silver-Plate Co....40&5&2%
William Rogers Mfg. Co...40&15&5%

Hooks—
CAST IRON—
Bird Cage, Sargent's list / Bird Cage, Reading.... / Clothes Line, Sargent's list. } 60&10&10@70%&5.&10%
Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....50&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60&10&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....℔ doz $1.35
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ℔ doz.....60c

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓%

WIRE—
Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50@50&10%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....60&10@60&20%
Handy Coat and Hat.....60@60&10%
Steady Ceiling.....60@60&10%
Wm. Johnson's: 8 in. $2.20 net; 10 in. $2.70 net ℔ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush.....55@60%
Whiffletree—Premium.....60%
Hooks and Eyes—Mal. Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60
Covert's Saddlery Works: Self-Locking Gate and Door Hooks.....60&20%

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9½	9½	9½	9½	9½	net
Ausable	28c	26c	25c	24c	23c.	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&5%
Essex	28c	26c	25c	24c	23c.	40&10@50%
Lyra	9½c	9½c	9½c	9½c	9½c.,	net
Snowden	9½c	9½c	9½c	9½c	9½c.,	net
Vulcan	23c	21c	20c	19c	18c	25%
Northw't'n	25c	23c	22c	21c	20c.	25@25&5%
A. U.	25c	25c	23c	21c	21c.	40&10%
C. B. K.	25c	23c	23c	21c.	21c	40%
Maud S.	25c	23c	23c	21c.	21c	50&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	22c	21c	20c.	40&5&2%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	18c	50%
Empire Bronzed						10@10½c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co.....45%

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10&5%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....net
Star.....net
Gem Ice Shave.....net
Copeland Ice Pick....℔ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Shredders—
Enterprise, ℔ doz.....$15.00

Jack Screws—
See Screws.

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....℔ doz. 85 @ $1.15
Ames' Shoe Knives.....25@ 0%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ℔ doz. $1.50, 20%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ℔ doz. $4.50; 14 in. ℔ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....55@60%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....℔ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....60&10@60&10&5%
Monroe's Pat.....℔ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....20%

Lawn Mowers—
New Easy.....@60&10&60&10&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%

Kettles—
Spun Plain Brass.....25&5%
Spun Brass, plated inside with White Metal.....20&5%
Stamped Brass Kettles, ℔ D 19@20%

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....℔ doz $4.00, 15%
Wollensak Tinned.....50&10%
Genuine Philadelphia Mowers: Styles, D., D. O. W., M., S., T., C. K. L., and B. Self-adjusting. 70&10%
Styles A., and E.....60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 77&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....℔ doz. $10.00
Gibbs' Hustler.....℔ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ℔ doz. $12.00 $15.00 $24.00..40%
No. 4, $7.00 each.....33⅓&5%

Lemon Squeezers—
Porcelain Lined, No 1, ℔ doz. $6.00 30&10@40%
Wood, Common ℔ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ℔ doz. $2.75 20&10%
Jennings' Star.....℔ oz. $2.25
The Boss.....℔ oz. $2.50
Dean's, Nos. 1, ℔ doz. $6.50; 2, $4.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&5%
Hotchkiss, Straight Flush ℔ doz. $9.60
Berger Bros. ℔ doz. 8-in. $1.00; 10-in. $1.40.....20%

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—
C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....35%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ℔ gro.....30%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....44%
Ventilator Cord, Samson Braided, White or Drab Cot. ℔ doz. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list August 15, 1895.....60&10 net
Mallory, Wheeler & Co., list July, '88.....60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94..60&10@60&10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓%
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Delta Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....50&10%
Shepardson or U. S.....35%

CABINET—
Cabinet Locks.....60&10@70%
Eagle Lock Co.....25&10%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 23 to 30.....40%
Dietz, Nos. 41 to 78.....45%
Dietz, Nos. 87 to 96.....20%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40@40&10%

PADLOCKS—
Wrought Iron.....70&10@80%
Gem. Corbin Cabinet Lock Co.40&2%
Eagle.....40%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 4.....40&5%
Scandinavian.....90&40@90&40&10%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ℔ doz. $9.00...5@5&10%
Barnes Mfg. Co.....50@ 0&10
Nock's.....30&10%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 160 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 103, inclusive.....50%
Ames Sword Co. above No. 103, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%
Slaymaker, Barry Co.'s:
No. 21 to 712.....net
Cast Key, Scandinavian Locks 50&10%
Flat Steel Key, Scandinavian Locks.....net
Self-Locking Scandinavian Locks.....net
Bicycle Locks.....35%
R. R. Switch and Car Door Locks.....net
Dog Collar Locks.....4 %
All other Padlocks.....net
Night Latches.....net

Mallets—
Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—
Regular list.....70&10@75%

Meat Cutters—
Dixon's.....℔ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ℔ doz.....33⅓%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ℔ doz.....70@70&5%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each	$5	$7	$10	$25	$50	$60

Perfection.....net

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Enterprise.....25&30%
Nos.....10 12 22 32 42
Each...$3 $3.50 $4 $6 $15
Miles' Challenge ₩ doz...45@45&10%
Nos.....1 2 3
$22.00 $30.00 $40.00
Home No. 1..₩ doz $26.00.....60%
Draw Cut, each:
Nos....5 2 6 8
$50 $75 $80 $385.....20@25%
Beef Shavers (Enterprise).....25@30%
Little Giant.....50&10%
Nos. 305 310 312 320 322
$35.00 $48.00 $44.00 $72.00 $88.00
Chadborn's Smoked Beef Cutter, ₩ doz $56.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.]
Wire Nails and Brads, Patented, Association list, May 1, 1893, 8% & 10@30&10&10%
Grand Crossing Tack Co. List:
Wire Brads.....30&25%
Wire Nails.....30&25%

FICTURE—

Brass Head, Sargent's list, 70&10@70&10&5%
Brass Head, Combination list, 50&10%
Porcelain Head, Sargent's list, 50&10%
Porcelain Head, Comb'n list,.40&10%
Niles' Patent.....40%

FURNITURE—

Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—

Black Hawk, per doz.....$9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 20@10%
Giant, No. 2.....₩ doz $15.00, 20@10%
Pelican.....₩ doz $9.00, 25&10%
Lightning.....₩ doz $18.00, 20%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....50%

Nuts—

Cold Punched, Square....4½c off list
Hex.....5c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 ℔, add 1-10c ₩ ℔ net; in packages less than 100 ℔, add ½c ₩ ℔, net.
Tapped.....50%

Oilers—

Zinc and Tin.....70&10@75%
Brass and Copper.....50&10@60%
Malleable, Hammers, Improved.....10&5%
Malleable, Hammers, Old Pattern, same list.....50&10@60%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc.....70%
Prior's Pat. or "Paragon" Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ %

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2⅜ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔.....70
Discount 33⅓%.

Pike's Washita Mounted:
8x2, ₩ doz.....$13.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ ℔.....24
" 2x2x⅛, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔.....2.80
No. 1, 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔.....3.50
No. 1, 8 to 12x1¾ to 2x¾ to 1, ₩ ℔.....4.00
No. 2, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔.....1.00
No. 2, 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔.....1.50
Discount 33⅓%
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x3 in.....₩ doz. $10.00
7x3 in.....₩ doz. 36.00
6x2 in.....₩ doz. 30 00
5x3 in.....₩ doz. 24.00
4½x ½ in.....₩ doz. 14 00
3½x1 in.....₩ doz. 9.00
4x1 in., on Mahogany Handles.....₩ doz. 7.00
3½ in., in Vulcanized Rubber Case.....₩ doz. 12.00
Discount 33⅓ &10%
Pike's Arkansas Round Edge Slips:
No. 1 reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x ½ to ⅜ in. edge, ₩ ℔.....$4.00
No. 1 small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x ⅛ in. to sharp edge.....₩ ℔ 6.00
No. 2 assorted sizes.....₩ ℔ 2.50
Discount 33⅓%
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ ℔.....4.00
No. 2, assorted sizes, ₩ ℔.....2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x¾ to 1 in.....₩ ℔, $1.50
No. 1, 5½ to 8x1¾ to 2x¾ to 1 in.....₩ ℔, 1.70
No. 1, 8 to 12x1¾ to 2x¾ to 1 in. ₩ ℔.....1.90
No. 2, 3 to 5½x1¾ to 2x¾ to 1 in.....₩ ℔, .50
No. 2, 5½ to 8x1¾ to 2x¾ to 1 in.....₩ ℔. .70
Discount 33⅓%.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1. reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x ½ to ⅜ in. edge, ₩ ℔.....$2 50
No. 1, small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x ⅛ in. to sharp edge.....₩ ℔, 4.00
No. 2, assorted sizes.....₩ ℔, 1.00
Discount 3 ⅓%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ in.....₩ ℔, $2.50
No. 2, assorted sizes.....₩ ℔ 1.00
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ ℔ .08
Washita Finish, about 8x2x¾ to 1¼, ₩ ℔.....10
Round Edge Slips, about 6x1⅜ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ ℔.....20
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₩ ℔.....12
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₩ gross.....8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross.....20
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ ℔.....08
Small Axe, about 3x2x⅛ to 1 ₩ ℔.....10
Special Axe, 3½x1½x⅛ ₩ ℔... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight ab out 1 ℔, ₩ ℔.....05
Medium, 8 x 1½ x 1¼, weight about 1¼ ℔, ₩ ℔.....05
Large, 8x1¾x1¾, weight about 2℔, ₩ ℔.....05
Small table, 10x2¾x2¾, weight about 4 ℔, ₩ ℔.....08
Large Table, 10x2¾x5 " 06
Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₩ ℔ .50
Extra, " ₩ ℔.....8
Round Edge Slips, No 1, ₩ ℔. 2.00
Discounts 33⅓%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanising, per ℔ 70c.....40%
Boston "Phoenix" Red Sheet, per ℔.....50c.net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N. Y. B. & P. Co., 1846-Para...40&10%
N. Y. B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....70@5%
Standard, Fair Quality...70&10@75%
Extra.....60&5@60&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₩ ℔ 30c 25@35&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ ℔
Russian Packing.....13c@14c ₩ ℔
Italian Packing.....12c@13c ₩ ℔
Cotton Packing.....14c@15c ₩ ℔
Jute.....6c@7c ₩ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds.. $27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.50
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination.....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro $4.50
Dixon's Mascot, Round..₩ gro. 3.10
Dixon's Mascot, Hexagon.₩ gro. 4.38
Dixon's Lumber.....₩ gro 6.97
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey s..50&10&10@50&10&10&10%
Miscellaneous.....25&10%
Steer s Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's.....6.@60&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
} 30&10@30 &10&10%
L. & I. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers. ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $13.00 30&5%
Cronks, Stubb's Pat. Pliers.....50%
Cronk's Button Pattern.....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....60%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....30&10%
Stanley's Handy.....20&10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@75&10%
Davis' Iron Levels.....35&10%
Davis' Inclinometers.....20%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $35.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75
Dixon's Plumbago.....₩ ℔ 8c

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $1.00; ₩ gr. $8.00
1½ qt. ₩ doz. $1.50; ₩ gr. $9.00 } 10@
2 qt., ₩ doz. $1 5'; ₩ gr. $14 00 } 15%
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt ,$4 00.....33⅓%

Post Hole Diggers—

The Ryan.....₩ doz., $15.00

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses.
Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw. ₩ doz $13.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale.....10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $13.00, 25&10%
Dunlap's Saw and Chisel....₩ doz $3.50, 20%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.60 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore s Ceiling.....40%
Hot House.....66⅔%@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔%@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....65%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $13.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro's
No. 1 Fig. 328, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 59, Fig. 333, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50

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No. 235, Fig. 408, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 4 4, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 512, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 488, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320 Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring.....5 & 5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....30&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilm t astle & Co's New Era:
Ame ican Refined Iron, to fit 5 in St e Pipe.....$6.50
Americ n Refined Iron, to fit 6 in. st ve ripe $6 50
Ame ican efined Iron, to fit 7 in. Stove Pipe.....$7.50
Ameri an Refined Iron, to fit 8 in Stove Pipe.....$9.00
P.nish d Iron, to fit 5 in. Stove Pipe.....$7.50
Pa ish d ir n, to fit 6 in. Stove ipe.....$7.10
Planished Iron, to fit 7 in. Stove Pide.....$8.50
Planished Iron, to fit 8 in Sto e Pipe.....$.0.00

Rail—

Sliding Door, Wr't Brass, 1⅛ in. ₩ ft, 3/c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft 2c
Barn Door, Light, In. ⅛ ⅝ ⅞
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot.....70%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....80%

Rakes—

Cast Steel, Association goods.75&20%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....dos., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz. $3.50
Gibbs' Favorite.....net ₩ doz. $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1. net ₩ doz. $4.50
Gibbs' Hustler, No. 0. net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.80 1.80 2.25..30%
Boys' rakes.....₩ doz $6.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $3.50. } 25%
Duval's Wood, ₩ doz.,
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.12
Hay 12 teeth. o $2.40; No. 2 $2.10
Lawn, 22 teeth, $2.15; 24 teeth, $2.15
Sawdust.....$1.80
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co.....20%
Westenholm and Butcher, $10.00 to $.....10%
Jordan's AAAA, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—

Francis Kell & Son.....50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list July 1, '95.....60%
Coopers.....60%
Block.....60%
Carriage.....60%
Hame.....60%
Burrs.....60%
American Screw Co.:
Bay State Rivets.....75%
Belt with Burrs.....65%

Rivet Sets—

Regular list.....70%

Rods—

Stair, Brass.....25@10%
Stair, Black Walnut.....₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10& 10@70%
Moore's Acme Barn Door.....50%
Moo..'s Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope

Manufacturers' Prices:
Ma'la.7-16in.& larg'r ₩ lb 7 c
Manila.....⅜in ₩ lb 7½c
Manila.¼ and 5-16 in ₩ lb 7 c
Man.Hay Rope,Med. ₩ lb 8 c
sisal,7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 5½c
Sisal...¼ and 5-16 in ₩ lb 6 c
Sisal, Hay Rope..... ₩ lb 5 c
Sisal,Med.L'the Y'rn ₩ lb 4½c
Cotton Rope, Best, ¼ in. and larger.....₩ lb 13@12½c
Medium, ¼ in. and larger, ₩ lb..9c
Common, ¼ in. and larger, ₩ lb..8c
Jute Rope.....₩ lb 6½@6c
} 1½% for cash in 10 days.

Rules—

Boxwoo...80&10&10&10@80&10&10 &10&5%
Ivory.....6 &10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%
Lufkin's Steel.....60%
Lufkin's Lumber.....5 &10%
Brown & Sharpe.....25%

Sad Irons—

From 4 to 10.....₩ 2 2@2½c
Self-heating .....₩ doz $10.00, 20%
Self-heating,Tailors' ₩ doz$22.50, 25%
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....7¼c
New England.....5c, 20& 10%
Mahony's Troy Pol. Irons.....15%
Sensible Pol., ₩ doz $ .00.....20%
Nickel.....₩ doz $7.00
National Self-heating.....2 %
Enterprise Mfg. Co. of Pa:
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$7 4
Irons, No. 1, 2 or 3 with handles, ₩ doz $7.00
Irons, No 1 2 or 3 with handles ₩ doz.....$ .25
Irons, No 1, 2 or 3 with hand es, ₩ doz.....$..75
Irons, No 4 with handles ₩ doz.....$0.80
Irons, No. 4 wi h handles ₩ doz.....$8.80
Iron , No. 1, 2 or 3, ₩ doz.....$5.75
Irons, No. 1, 2 or 3, ₩ doz.....$ .25
Toy Irons, ₩ doz.....$1.50
Toy Irons, ₩ doz.....$ .25
The " Best " Handles, with Forged Iron Stretch rs, ₩ doz.....$3.00
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz $6.50
Nickel.....₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder. Adamson & Co.'s:
Sand and Emery Paper..50& 10& 5@5%
Emery Cloth.....50&5%
Garnet Paper.....20&5%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....20%

Sash Cord—

Common.....₩ lb 8½c@ 9c
Jute, good quality.....₩ lb 11c
White Cotton Braided, fair...₩ lb 23c@24c
Common Russia Sash. ₩ lb 12½c @ 3c
Patent Russia Sash...₩ lb 13½c@14c
Cable Laid Italian Sash ₩ lb 23½c@25c
India Hemp Sash.....₩ lb 10½c@ 1c
Silver Lake:
A Quality, White., ₩ lb 50c....10%
A Quality, Drab..₩ lb 55c....40%
B Quality, White ₩ lb 30c, 15&7½%
B Quality, Drab, ₩ lb 35c..15&7½%
C Quality, White (only) 26½c @ 28c
Sylvan Spring
Extra Braided White.....₩ lb 33c
Extra Braided Drab.....₩ lb 33c
Semper Idem, Braided White ₩ lb 24c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ lb 30c
"Samson" Braided Drab, Cotton.....₩ lb 35c
"Samson" Braided Italian Hemp.....₩ lb 33c
"Samson" Braided Linen, ₩ lb 30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....60&10@60&10&10
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Common Sense, Jap'd, Cop'd, and Br'sed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '96.....70%
Payson's Perfect.....70%
Hugunin's Sash Balances.....30&2%
Hugunin's New Sash Locks.35&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@60&10&10%
Davis, Bronze, Barnes Mfg. Co...40%
Champion Safety.....70&5%
Security.....70%

Sash Weights—

1c. ₩ lb, Carload lots.....$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—

Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated....30c. ₩ foot
Woodrough & McFarlin Cross Cuts.....4 &10%
Hand Panel and Rip .....25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill ..45@45 5%
Peace Hand Panel and Rip.2 @2 &5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill, 4 5@45 5%
Richardson X Cuts.....4 &10%
Richardson Hand-saws....2 @2 &5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....4 %
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—

Griffin's complete'.....40&10@50%
Griffin's Hack Saw and Blades, 40&1 @50%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—

Star Hack.....25%
White Vermont..₩ gro. $9.00@$9.50
Red, Polished and Varnished...₩ doz., $1.50 25%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—

Stillman's Lever, Nos. 40. 45. 55@55&10%
Common Lever ₩ doz., $3.00, 45@50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00..... .....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $20.00; No. 5, $21.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $3.00; No. 1, $15.00.....33⅓@35%
Cunningham Band.....15%
Automatic.....35%
Nash's.....30&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50 25@25&10%
Richardson's 25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme...₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—

Union Platform Plain...$2.00@$2.10
Union Platform Striped..$2.15@$2.25
Chatillon's Grocers' Trip Scales..50%
Chatillon's Eureka.....25%
Chatillon's Favorite.....40%
Family, Turnbull's.....20@30&10%
Riehle Bros.' Platform...40@40&10%
Brittan Graham & Mathes .....
"The Standard" Pittsburg.....50%

Scale Beams—

Scale Beams, List Jan. 12, '92..50& 10@60&10&10%
Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz., $2.00
Box, 2 Handle..₩ doz., $3.00@$4.00
Defiance Box & Ship.....20&10%
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. I. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60%
Perfection Screens 60%
Extension .....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—

Phillips:
Stain-d .....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30 & 35%
Standard Oil..... .....35& 40%

Screw Drivers—

C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's..... ....5 @ 5 : 10
Disston's Pat. Excelsior.....5 & 5%
Buck Bros.....20%
C.T. Williamson Wire Novelty C 50%
Stanley R. & L. Co.'s:
No. 6 , Varnished Handles 6 & 10%
No. 86. ..... 7 & 10%
Sargent & Co.'s:
No. 1 Forg. Blade 5 & 10 @ 5 & 10 & 5.
Nos. 20, 40 and 60 5 & 10 @ 5 & 10 & 5
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat..... ....70%
N. E. Specialty Co.'s.....50%
Electric Spiral.....50%
Gay & Parsons.....35%
Champion.....4 @4 &10%
Clark's Pat.....55% @4 %
Ellrich's Socket and Ratchet.40 & 10%
Howard-Allard ....50&10 @ 40&10&5%
Rapid Spiral.....35⅓%
Screw-Driver Bits....₩ doz., 50@.5c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12.45
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
P. S. & W .....7 %
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 27½&5%
"Handy" Ratchet.....25%
Champion 33⅓%
Copeland .....25@25&10%
Brace..... .....2. & 10%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
135 A.....70& 10%
136½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—

WOOD SCREWS—List, Dec. 20, '95.
Bright Flat Head Iron.....85%
Br't R'd & Oval Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80&10%
R'd and Ovel Head Bronze.... .75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....65%
Round Head Copper.....60%
Rogers Drive Screws.....85%

MACHINE—

Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron.....70%
Bench, Wood, Beech.....₩ doz $3.25
Hand, Wood.....25&10@25& 10&5%
Lag Blunt Point, list Jan. 1, 1890. 75& 2.5%
Coach list Jan. 20, '95.....75&17½%
Bed .....25&2.5

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Hand Rail, Sargent's, 70&10@70&10&10%
Hand Rail, H. & B. Mfg. Co. 75@75&5%
Hand Rail Am. Screw Co. 75%
Jack Screws, Millers Falls, Roller Bearing 50&10%
Jack Screws, Millers Falls, without Roller Bearing 50&10&10%
Jack Screws, P. S. & W. 35%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns' 40&10%
Piano Stool 60&10%
Chair 60&10%

Scroll Saws—
C. E. Jennings & Co. 25%
Lester, complete, $10.00 25%
Rogers, complete, $4.00 25%
Barnes' No. 1, $8; No. 6, $10; No. 7, $15 25%
Barnes Scroll Saw Blades 35%

Scythes—
Grain 50@50&10%
Grass 50&10@60%

Seeders—
Enterprise Raisin 25%

Shears—
Ætna, Steel Japanned 60&30%
Ætna, Steel Nickeled 70&20%
Davenport Cutlery Co.'s 60@60&10
American (Cast) Iron 75&10@50&5%
Barnard's Lamp Trim'rs, ℔ doz. $3.75
Tinners' 30&2%
Seymour's List, Dec., 1881. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1881. 60&10@50&10&5%
Heinisch's Tailor's Shears 33⅓%
Clauss' Brand, Nickel 60%
Japanned 70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap 75%
Nickel 65%
Campbell Cutlery Co.'s Scissors List net

Sheaves—
SLIDING DOOR—
M.W. Co., list July, 1887 50&10@60&5%
R. & E., list August 15, 1895 60%
Corbin's list 60&10&2%
Patent Roller 60&10&2%
Patent Roller, Hatfield's 75%
Russell's Anti-Friction, list Dec. 18, 1885 60&2%
Moore's Anti-Friction 50%
Hatfield Sheaves 30%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s 60%
Sargent's list 70%
Reading list 65&10@65&10&10%

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bosa, from jobbers $3.15@$3.40
Bryden's Frog Pressure $4.00
Perkins Steel Side Weight Hind $3.15@$3.40
Perkins Improved Snow, ℔ ℔ 4c
MULE—
Add 50c ℔ keg to above prices.
OX, WROUGHT—
Ton lots, ℔ ℔ 9c
1000 ℔ lots, ℔ ℔ 9½c
500 ℔ lots, ℔ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c. 20%
Griffith's Black Iron 50&10
Griffith's C. S. 60@60&10%
Griffith's Solid C. S. R. R. Goods. 20%
Old Colony (Sanford Fork & Tool Co) 35%
St. Louis Shovel Co. 30@30&7½%
Hussey, Binns & Co. 15@25%
Snow, Long Handle, ℔ doz. $6.25 25&30%
Snow, D Handle, ℔ doz., $7.25 25&30%
Hubbard & Co. 20&10%
Payne, Pettebone & Son, list Jan., 1886 30%
Rowland's Black Iron 60&5%
Rowland's Steel 60&10&5%

Shovels and Tongs—
Iron Head 60&10@60&10&5%
Brass Head 60&10&10%

Sifters, Flour—
Hunters' Genuine, ℔ gross, $13@13.50

Slaw Cutters—
Enterprise. 25%

Slicers—
Enterprise Vegetable 25%

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co) 65%
Fitch's (Bristol) 50%
Hotchkiss 10%
Andrews 50%
Sargent's Patent Guarded, 70&10&10@70&10&10&10%
Sargent's Covered Spring 60&10%
Sargent's Open Spring 70%
German, new list 40&10%
Shaw Patent Slide Lock 60%
Cockeye 70&10%
Covert Mfg. Co. 45&20@50%
Covert Mfg. Co:
Loop Eye, Round Eye, Open Eye, Loop Eye, Swivel, Round Eye, Swivel, Double for Bits or Trace Carrier, Breast Strap Buckle Straps, Breast Strap Protector 45&2% @50%
Covert Saddlery Works:
Banner 60&20%
Triumph 60&20%

Spoke Shaves—
Iron 45%
Wood 30%
Bailey's (Stanley R. & L. Co.) 50&10%
Seymour Smith & Sons, Iron 20%
Millers Falls 25%
Wm. Johnson's:
Wood, Best 30%
Wood, 2nd Quality 33⅓%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 75&10@80%
Solid Table and Tea, Cen. Stamp. Co.'s list 70&25%
Buffalo S. S. & Co. 33⅓&2%
B. B. Noyes Meat Forks. 50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro. 40&15%
Wm. Rogers Mfg. Co. 40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros. 40&15&5%
Holmes & Edwards Silver Co. 40&15&5%
L. Boardman & Son 50&12½%
MISCELLANEOUS—
German Silver 50&10%
German Silver, Hall & Elton 50& 5% cash
German Silver, Rogers 60&6%
Wm. Rogers Mfg. Co., Rogers Silver Metal 50&10&5%
Rogers 40&15&5%
Nickel Silver 50&5@50&10&5% cash
Britannia 60&10%
Boardman's Nickel Silver 60&7½&5%
Boardman's Britannia Spoons, case lots 60&10% cash

Springs—
See Door Springs.

Squares—
Steel and Iron, Nickel-Plated 75&10@90%
Try Square and T Bevels 60&10&10%
Disston Try Square and T Bevels, 50@50&10%
Winterbottom's Try Mitre 30&10%
Montgomery's Try Mitre $3.75 net
Starrett's Micrometer Caliper Squares 25%
Avery's Flush Bevel Squares 40%
Avery's Bevel Protractor 50%
Brown & Sharpe 25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples 80&25&10%
Extra Heavy 80%
Hooks and Staples 80&25&10%
Extra Heavy 80%
Hasps and Staples 80&25&10%
Extra Heavy 80%
Staples on Plates 80&25&10%
Wagon Bow Staples 80&25&10%
Square Crown Carpet—papers 75%
Square Crown Carpet—bulk 75&10%
Barrel 75&10%
Box and Casket 75&10%
Barbed Blind—½ inch and larger ℔ ℔ 7c@7½c
Barbed Blind—⅜ inch, ℔ ℔ 8c@8½c
Round Wire Round Crown 66⅔%
Barbed Bed Spring Staples 75&10%
Chisel-Pointed Barbed 75&10%
Poultry Netting 80&10%
Norway Iron Clinch 80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods 35%
Butterfield's Goods 35%
Lightning Screw Plate 25@30%
Reece's New Screw Plates 25@30%
Reversible Ratchet 35%
Gardner 25%
Wells Bros. & Co. 25%
Schlenker's Die Bolt Cutter 15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
Papered, Dozened and M's. Straight Weights. Full Half and Quarter Weights. 2% for cash.
Star weights (**) 5% extra; Standard weights (***) 10% and 5% extra, and special weights (***) (tinned and coppered carpet tacks only), 10% and 10% extra.

Carpet Tacks:
American, blued 80&3⅓%
American, tin and cop'd. 85&33⅓%
Steel, blued and bright 85& 0%
Steel, tinned and cop'd 85&33⅓%
Swedes Iron, S.S., blued 85&33⅓&10%
Swedes Iron, S.S., tin'd. 85 &33⅓&10%
Swedes, Iron, Lanc., blued 87½%
Swedes, Iron, Lanc., tinned 87½%
American, Iron, Dom 85&.0&5%
Swedes Iron Tacks:
S. S., blued 87½%
S. S., tinned 87½%
Lanc., blued 85&20%
Lanc., tinned 85&20%
Upholsterers' Tacks:
S. S. 90%
Lanc. 85&5%
Gimp Tacks:
S. S., blued 90&15%
S. S., tinned 90&10%
Lanc., blued 85&30%
Lanc., tinned 85&30%
Trimmers' Tacks:
Lanc. 89&20%
S. S. 85%
Looking Glass Tacks 70%
Leathered 60%
Lace Tacks 70%
Blued and tinned 85&35%
Basket Tacks 62½%
Berry Box Tacks 62½%
Trunk Tacks:
S. S. 66⅔%
Lanc. 62½%
Miners' Tacks, S. S. 66⅔%
Bill Posters' and Railroad Tacks:
S. S. 66⅔%
Lanc. 62½%
Brush Tacks, bulk 87½&5%
M's 75&15%
S. S. 55%
Lanc. 5%
Hungarian Nails 80&20%
Common and Patent Brads 80%
Finishing Nails 57½%
Trunk and Clout Nails 57½%
Basket Nails 10%
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 33⅓%&2% cash.
F. H. Cobblers' Nails:
4½-8in., and shorter, ℔ 100 ℔ $17.60
⅝ in. and longer, ℔ 100 ℔ $15.90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No. 18 & 19.	17 & heavier.
2-8&2½-8 in.	$34 90	$44 60
3-8&3½-8 in.	55.50	34.00
4-8& longer,	44.50	36.10

MISCELLANEOUS—
Double Point 85&10@85&10&5%
Wire Carpet Nails 80&10%
Bill Nye Brad Box $4.00
Bonnie Blue, ℔ box $1.50
Claw Handle Carpet, ℔ gr $4.00
Home Tacks, No. 50, ℔ case (12 cartons), $36.00; No. 100, ℔ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ℔ case (12 cartons), $30.00; No. 400, ℔ case (12 cartons), $60.00. 50&2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks 66⅔&33⅓&2%
Miniature Keg Tacks 66⅔&33⅓&2%
Upholsterers' Nails 50&10%

Tack Pullers—
Columbia, No. 1, per doz., net $1
" " 2, " 1.50

Tapes, Measuring—
Keuffel & Esser Co 25%
Lufkin's Steel and metallic 40%

Taps—
American Screw Co.
Machine Screw 60%
Hand and Machine 50&10%
Pipe 80%
Blacksmiths' Taper 50&10%

Tin, Perforated—
Harrington & King Perforating Co.:
IC 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.45	$1 55
2	$8.90	$1 55
3	$8.35	$1.35
4	$7.80	$1.30
5	$7.25	$1.20
5½	$7.25	$1.20
6	$6.95	$1.15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—
Shears and Snips (P. S. & W.) 20&2%
Snips, J. Mallinson & Co. 33⅓%
Snips—"Clauss" 30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887 70&10@70&25%

Trammel Points—
Cook's 25%
Stanley's 30&10%
Tower & Lyon 33⅓%
Jennings "Eureka" 25%
Sargent's 70&10@70&10&10%
Backus and Union 40%
Prentiss 20@25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T. $3.50
Single rail Car, Single Steel T. $3.50
Rev. Car., Wood Track $3.25
Comb., Car., Wood Track $3.25
New Myers Iron Rod Car $2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes) $12.00
Sure Grip Sling Car., Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps, ℔ ft. .09
Single Rail Steel Track with clamps, ℔ ft. .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each $1 50
Walker Fork, each $1.15
Sprouts Shear Fork, each $1.40
Double Grapple Fork, each $3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ℔ doz. $2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ℔ doz. $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ℔ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ℔ doz. $1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ℔ doz. $1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ℔ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 486, ℔ doz. $2.00
Floor Hooks, ¾ in ℔ doz. .65
Hanging Hooks for Double Steel Track, ℔ doz. .60
Hanging Hooks for Single Steel Track, ℔ doz. .60
Hanging Hooks for Wood Track, 10 in. ℔ doz. .45
Hanging Hooks for Wood Track, 14 in, ℔ doz. .55
Wrought Rafter Brackets, ℔ doz. .45
Malleable Rafter Brackets, ℔ doz. .45
Rope Hitch, ℔ doz. $1.75

Transom Lifters—
Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—
GAME—
Enterprise Mole 15%
Oneida Pattern 75&5@75&10%
Newhouse 40&10@50&5%
Hawley & Norton 70&5%
Victor 70&10&5%
All Steel 75%
Star 50&10%
Blake's Patent 50&10@60%
MOUSE AND RAT—
Mouse, Wood, Choker, ℔ doz hole 8@10%
S.T. ℔ doz $5.00, 20%
Mouse, Round Wire, ℔ doz $1.50, 10%
Mouse, Cage, Wire, ℔ doz $2.50, 10%
Mouse, Catch-'em-alive ℔ dz $2.50, 15%
Mouse, Bonanza ℔ doz 90c@$1.00
Mouse, Ideal, ℔ gr $9.00
Mouse, Delusion 33⅓%
Rat Slayer, ℔ gr $9.50
Rat, Keystone, ℔ gr $10.00
Rat, Exterminator, ℔ gr $12.00
Rat, Decoy, ℔ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ℔ doz. 65c.; in full cases 60c
Improved Rat, ℔ gross, $12.50
New Rat, ℔ gross, $12.50
Schuyler:
Mouse, ℔ gross $18.00 50%
Rat, ℔ gross $15.00
Household, ℔ gr $10.00
Erie Rat 50%
Smith & Egge Mfg. Co:
Superior Rat Trap, ℔ doz. $15.00
Yankee Rat Trap, ℔ doz. $ 1.00
Yankee Mouse Trap, ℔ doz. $5.50
FLY—
Balloon, ℔ doz $1.50, **℔ gr.** $12 50
Electric Rod, ℔ gr. $16.50
Globe, ℔ gr. $13.50
Harper, ℔ gr. $16.50

Trowels—
Reed's Brick and Plastering 15%
Disston's Brick and Plastering 25@25&10%
Peace's Plastering 25@25&5%
W. & McP. Plastering 25%
Richardson 25%
"Rose" Brick Plastering and Moulders 3 @30& 10%
Brade's Brick 25@33⅓%
Sargent's Garden, No. 1 70%
Sargent's Garden, No. 15 50%

Vises—
Solid Box 50&10@90%
PARALLEL—
Fisher & Norris Double Screw 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand 33⅓%
Stephens' 20@10%
Holland's 40@40&10%
Parker's 20@25%
Wilson' 55%
Alligator 50%
Howard's 40%
Massey's Quick Ation 20@25%
Bonney's 50@50&10%
Millers Falls 40@40&10%
Trenton 40&5@40&10%
Merrill's 15@20%
Simpson's Adjustable 40%
Moore's 20%
Little Giant Bench 25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15.00 40&10%
Stearn's 40%
Stearn's Silent Saw Vises 20&10%

Wads—
See Ammunition.

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Wagon Jacks—
Covert's Saddlery Works:
Victor....60&20%
Daisy....60&2?%

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.5? @$12.00
American Whip Co.: List price per dozen
I. X. L. Whalebone Driving 4½ ft., $8.00; 5 ft., $?0.00; 5½ ft., $?.?0; 6 ft., $?4.00; 6½ ft., $?7. 0; 7 ft., $?0.0?; 7½ ft., $33.00; 8 ft., $36.00.
Eureka, Two-thirds Whalebone, 5½ ft., $15.00; 6 ft., $ 6.50; 6½ f ., $16.00; 7 ft., $?.?0.
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.0? ; 7 ft., $15.00.
American Standard, 4½ ft., $8.00 5 f ., $8.50; 5½ ft., $9.50; 6 ft., $ 0.5?; 6½ ft., $12.00; 7 ft., $ 3.5? 7½ ft., $15.0? ; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $.?0; 5 ft., $4.0?; 5½ ft., $5.50; 6 ft., $7.00; 6½ ft., $7. 0; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors .....6 ft., $5.00
American, as Pen Whip, 6 ft., $4.00
Gents' Light Driving, No. 11, 6 ft.....$3.00
Gents' Light Driving, No. 16 6 ft.....$3.00
Hand-Made Stocked Java, No. 108.....5½ ft., $3.75; 6 ft., $4.00
Team Whips....₩ doz $2 0 @37 5
Hardware Assortment 10 , American, ?5 Whips for.....$50.00

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@ 8?%
Cop'd, Nos. 0 to 18, 75& @7?&10&5%
Galv., Nos. 0 to 18..... 7?&10@75%
Tin'd, Tinned list Nos. 0 to 18..75 &5@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ ℔ 4½c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass.....55%
Brass.....30@30&5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 13 to 30, ₩ ℔.....6 @70c
Tate's Wire Picture Cord Braided and Twisted.....85@10&10%
Picture Wire.....New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.3? @$1.40
Galvanized Wire Netting....80&10 @8? &25%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List.
Iron.....20&2½%
Iron, Galvanized.....20&2½%
Cast-steel.....20&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....60@6?&5%
Nickel.....40&?@50%
Heavy.....50%
Alligator.....60&10%
Hercules.....70%
American Adjustable.....4?@40&10%
Armstrong's.....40%
Baxter's Adjustable "S" 7?@70&10%
Baxter's Diagonal.....?0@60&10%
Coes' Genuine .....50& @5?&10%
Coes' "Mechanics'".....50&10&2@30%
Girard Standard.....65&10@70%
Lamson & Sessions' Engineers'80&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Hall's Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bght) $2 5?@2.?0.?0%
Boardman's.....3?½%
Always Ready.....3?½&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....35&10%
Standard Brace.....35&10%
J. H. Williams.....?5%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....?0%
Lowell Lag Screw.....?5%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
In lots of less than one dozen. Cash.
Am. Wringer Co.'s list, July 1897, ?5
Colby Wringer Co., list May 1, 1?94, ?5
Lovell Mfg. Co., list July 2, 1?94...?
Peerless Mfg. Co., list Feb., 1?92. ?5
National Wringer & Mfg. Co., list Jan. 1, 1?95 ?5
NOTE.—On lots of 1 dozen a discount of 10 is often given.

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 42c
Linseed. City, Boiled, " ₩ gal. 45c
Out of Town on Spot.....₩ gal. 40c
Calcutta, Raw, in bbls....₩ gal. 47c
Lard. Prime City.....₩ gal. 5?@5?
Western, Prime.....5? 5?
Extra, No. 1.....4?@4?
No. 1.....37@39
No. 2.....3?@35

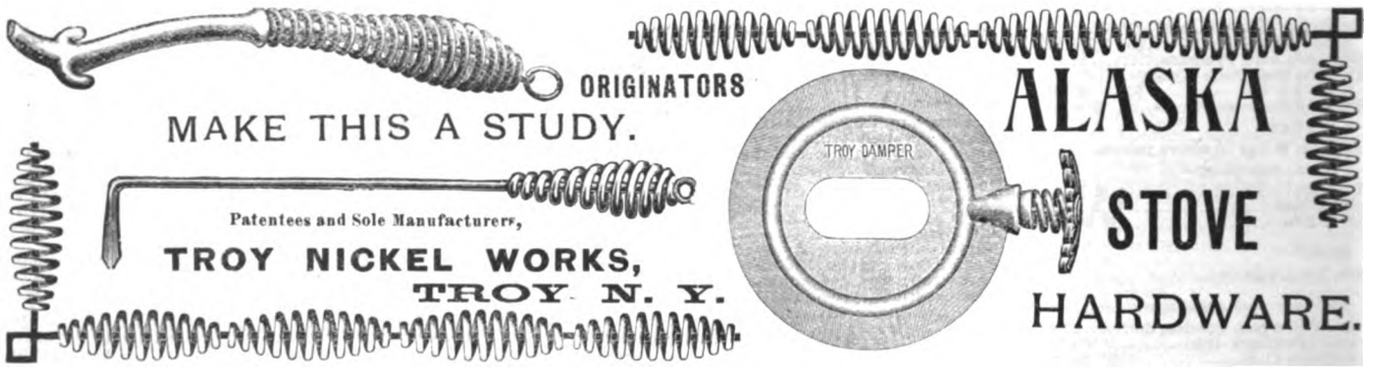
Paints and Colors—
Barytes, Prime White ₩ ton, $14.00@$17.00
Barytes, Foreign Floated, ₩ ton, $15.00@$18.00
Barytes, Domestic Floated, ₩ ton $?? 00@$?.?,00
Barytes, Off Color, ₩ ton, $10.00@$18.00
White Lead, American, Dry, ₩ ℔ 4½@5½c
White Lead, American, in Oil, ₩ ℔.....5½@5¾c
White Lead, English, in Oil, ₩ ℔ 5½@5¾c
Litharge, American Powdered, ₩ ℔..... 4¾@5½c
Litharge, English Flake, ₩ ℔ 7¼@8 c
Litharge, Glassmakers', ₩ ℔ 4¾@5½c
Zinc, American, Extra Dry, ₩ ℔ 3¾@4½c

Putty—
Putty in Bulk.....$1.45@$1.7?
Putty in Bladders.....$1.65@$?.00
Putty in Tins.....$? 00@$?.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal..?8@?8½c

Dry Colors
Blue, Chinese.....₩ ℔ 35 @40 c
Blue, Prussian.....₩ ℔ 30 @35 c
Blue, Ultramarine..₩ ℔ 7 @?5 c
Brown, Sienna, American, burnt ....₩ ℔ 1½@ 1¾c
Brown, Sienna, American, raw .....₩ ℔ 1½@ 1¾c
Brown, Umber, American, burnt.....₩ ℔ 1½@ 1¾c
Brown, Umber, American, raw.....₩ ℔ 1½@ 1¾c
Brown, Vandyke, German .....₩ ℔ ?½@ 5½c
Brown, Vandyke, American.....₩ ℔ 1½@ ?½c
Green, Chrom, Common.....₩ ℔ 5 @ 8 c
Green, Paris .....₩ ℔ ?0 @?? c
India Red, Steadard, American....₩ ℔ ? @ 8 c
Venetian Red, English Prime..... ...₩ ℔ $1.75@$1.9?
Yellow, Chrome ...₩ ℔ ?6 @?? c
Yellow, Ocher Fre'ch ₩ ℔ 1 @ 1½c

Colors in Oil—
Black Coach Japan ₩ ℔..18½@?0 c
Black Coach Japan in Oil.....₩ ℔ 12 @13 c
Black Drop .....₩ ℔ 7½@10 c
Black Lampblack, prime, ₩ ℔ ?7 @?? c
Black Lampblack, medium.....₩ ℔ 15 @?0 c
Black Lampblack, 2d quality..... ....₩ ℔ 13 @19
Black, Lampblack, low grade .....₩ ℔ 6½@10 c
Blue, Chinese .....₩ ℔ ?5 @40 c
Blue, Prussian .....₩ ℔ ?0 @40 c
Blue, Ultramarine..₩ ℔ 13 @1 c
Brown, Sienna burt ₩ ℔ 7 @10 c
Brown, Sienna, raw.₩ ℔ 7 @10 c
Brown, Umber. burt ₩ ℔ 7 @10 c
Brown, Umber raw .₩ ℔ 7 @10 c
Brown, Vandyke....₩ ℔ 7 @11 c
Green, Chrome.....₩ ℔ 8 @14 c
Green, Paris... .....₩ ℔ 16 @1?½c
Red, Indian.....₩ ℔ 12 @15 8
Red, Venetian.....₩ ℔ 4½@ 8 c
Yellow, Chrome.....₩ ℔ 13 @18 c
Yellow, Ocher, Fre'ch ₩ ℔ 4½ c



Pflueger's Snowflake Bicycle Chain Lubricant

Has superior lubricating qualities, is highly perfumed and will not soil hands or clothing. Once tried always used. . . . . .

10c. each or three sticks for 25c.

Mailed on receipt of price.

LIBERAL DISCOUNT TO THE TRADE.

Largest Manufacturers in the U. S. of Fish Baits and Specialties for out-door sport.



CATALOGUE.)

The Enterprise Mfg. Co., Akron, Ohio.

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A CIRCULATION FOR ALL THE NEWS. HARDWARE HARDWARE EXCLUSIVELY. OF NOT LESS THAN

ONE HUNDRED AND TWENTY THOUSAND

FOR

1896.

There is but one way, outside of the word of the publishers, to settle definitely the circulation of any newspaper, and that is to **publish the receipts from the post office** for the matter that is mailed. During 1896 we shall adopt this system, and will, each issue, publish the receipts for the preceding issue as obtained from the mailing department of the New York post office, and this will settle, once and for all, the truth of our assertions.

If it can be shown that we fall below 120,000 in the year we **will donate $1,000** to any charity named by the president of the New York Hardware Club.

HARDWARE PUBLISHING CO.,

143 Chambers St., New York.

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Perforated Filter Press Plates.

THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

PERFORATORS OF STEEL, IRON, COPPER, ZINC, BRASS AND TIN.

For use in GRAIN CLEANING AND MINING MACHINERY, WOOLEN, COTTON, PAPER AND PULP MILLS, RICE, FLOUR AND COTTON SEED OIL MILLS. SUGAR AND MALT HOUSES, DISTILLERIES, FILTER PRESSES, STONE, COAL AND ORE SCREENS, BRICK AND TILE WORKS, FILTERS, SPARK ARRESTERS, GAS AND WATER WORKS, OIL, GAS AND VAPOR STOVES, COFFEE MACHINERY, ETC.

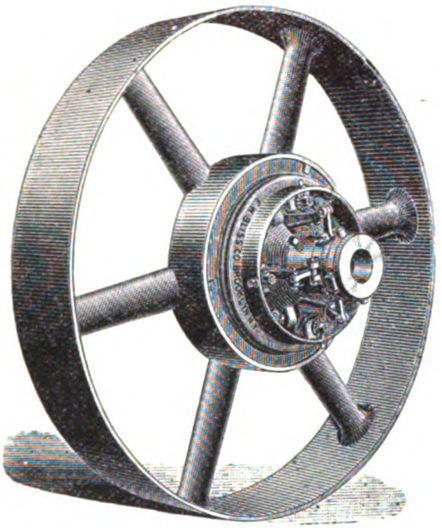
STANDARD SIZES PERFORATED TIN AND BRASS ALWAYS IN STOCK.

Main Office and Works, 222 to 240 No. Union St., Chicago, Ill., U. S. A. Eastern Office, No. 284 Pearl St., New York.

CHICAGO OFFICE, 96 W. WASHINGTON ST.

E. W. BLISS CO.,

18 ADAMS ST., BROOKLYN, N.Y.



PRESSES, DIES AND SPECIAL MACHINERY.

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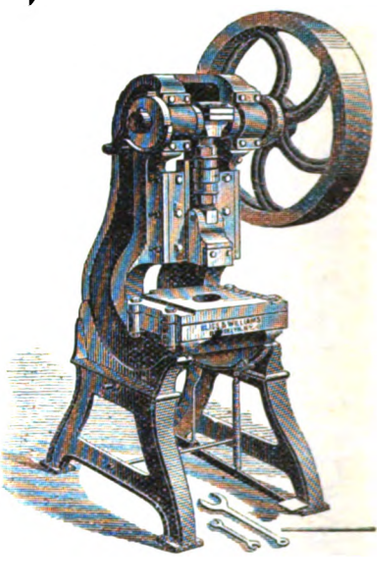
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Wyoming Shovel Works, Wyoming, Pa.

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Holmes & Edwards Silver Co., Bridgeport Conn.
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Sickels, Sweet & Lyon, New York.
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Samuel Winslow Skate Mfg. Co., Worcester, Mass.

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Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

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E. J. Johnson & Co., New York.

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Enterprise Mfg. Co. of Philadelphia, Philadelphia.

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A. J. Phillips Co., Fenton Mich.

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Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

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Bruce & Cook, New York.

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John Chatillon & Sons, New York.
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New York Belting & Packing Co., New York.
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T. F. Welch & Co., Boston.

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Van Wagoner & Williams Hardware Co., New York.

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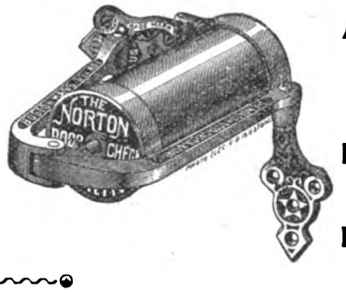
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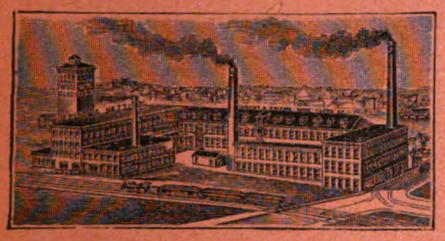
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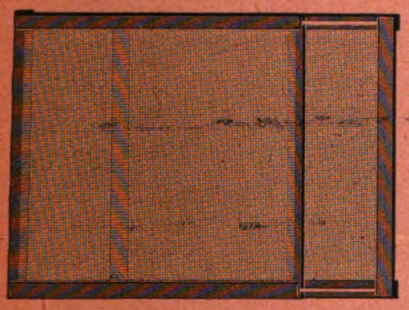
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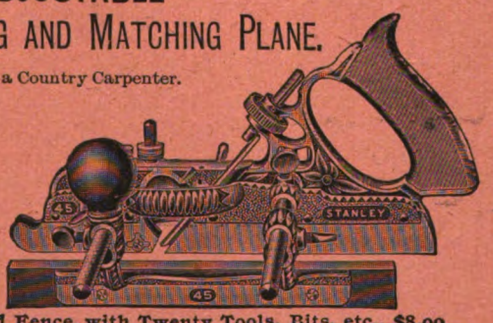
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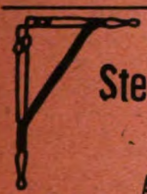
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Cutters for Fluting Reamers.
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Rubber Tipped Foundry Rammers,
and new sizes of
Side Milling Cutters.
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ORANGE EXTRA SPORTING POWDER.

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These saws are a trifle higher in price, but are being adopted by all Mechanics who use high grade tools.



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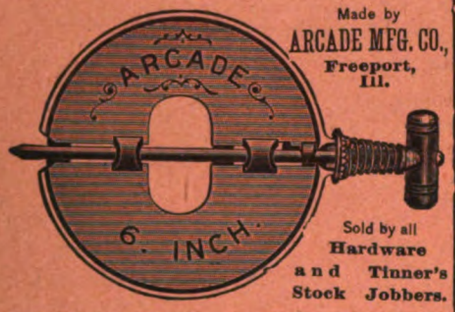
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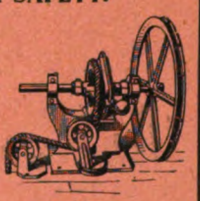
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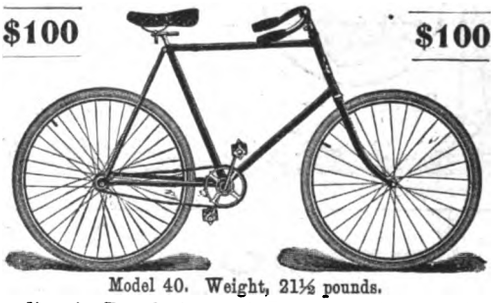
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Unequalled—Unapproached.

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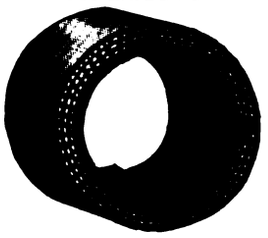
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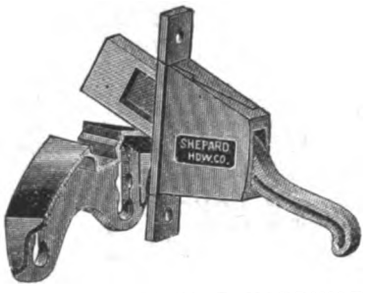
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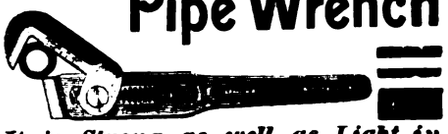


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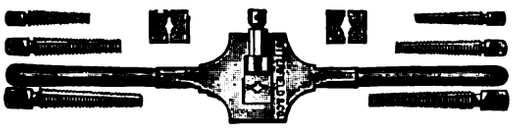
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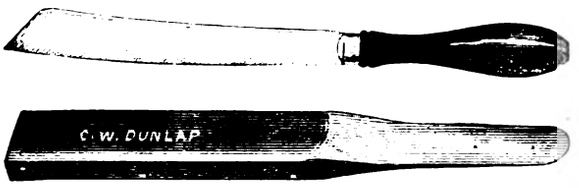
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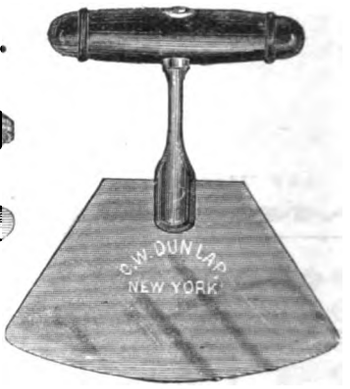
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The BOSS LANTERN LAMP.

Patented Nov. 27, 1894.

NO wind or hurricane, however strong, can blow it out. Any No. 2 crimped top chimney will fit it. Chimney does not get hot, because the cold air goes down into the chimney around the sides—the hot air comes up through the center of the chimney drawing the flame up several inches, making the light 5 candle power, producing a cold draught under the flame. The candle melts very slowly, making half candle last many hours.

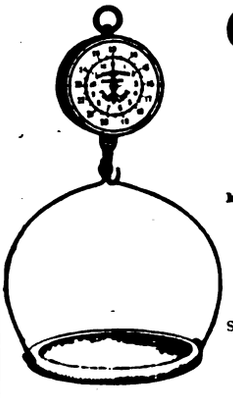
There is a standing offer of **One Hundred Dollars** to any one who can take his Hat, Fan or any thing else and Fan the light out. It is impossible to fan the light out or for the wind to blow it out.

Sample free, prepaid. Write for special prices delivered.

Patent owned and manufactured by



R. GIVENS, - Corpus Christi, Texas.



Gilfillan Scale & Hardware Co.

133-139 So. Clinton St.,
CHICAGO.

MANUFACTURERS . . . .

Family, Counter, Butcher and Postal Scales. Nail Pullers.

SEND FOR CATALOGUE

N. Y. Office, 88 Chambers St.



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The Lufkin Rule Co.
Saginaw Mich.

High Grade
Measuring
TAPES
STEEL AND METALLIC.

We make the Largest, Best and most Complete Line of these Goods in the World. Steel Rules, Lumber Rules, Boot Calks, Perfection Glass Boards, Glaziers' Rules, &c.

NEW YORK OFFICE, . . .
2½ MURRAY ST.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.



10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass

Grain Cradles

For the Lightest, Cheapest and Best Hand Made Cradle in the market, write for prices.

J. B. Miller & Co.,
Lock Box 156. Washington, Pa.

A business without advertising is like a gun without ammunition. Advertise in "HARDWARE."

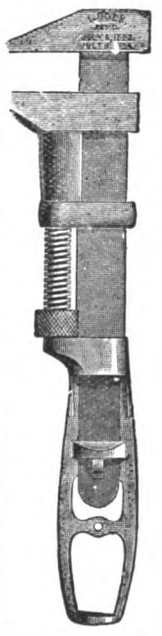
WAIT ! !

For the Latest CROSS CUT SAW.

Up-To-Date

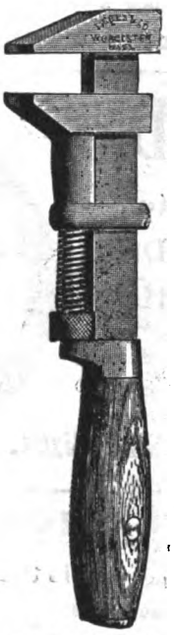
Nothing Like It.

The NATIONAL SAW CO.,
NEWARK, N. J.



L. COES'
Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.
MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.

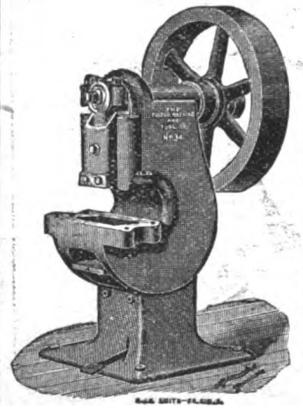


Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

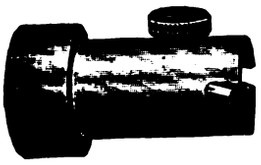
The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.



The Toledo Machine & Tool Co.,
501-505 Superior St., Toledo, Ohio.
—WE MANUFACTURE—
Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.
Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.

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Write for Circulars.

THE most durable, most practical and most satisfactory **NOZZLE** yet invented.
A simple, straight, open tube. . . . . .

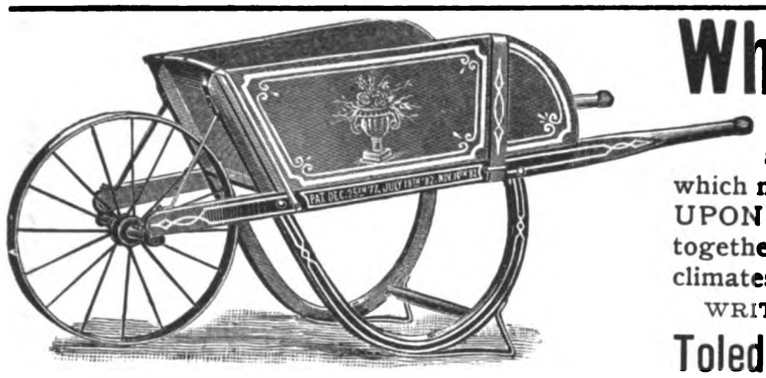
No Valve, No Ball, No NOISE.

Will spray from finest mist to coarsest rain, or throw solid stream.

Manufactured by the

H. F. Neumeyer Mfg. Co.,

Macungie, Pa., U. S. A.



Wheelbarrows

of all Styles, of all Grades of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo. O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

Made by the

WICK DEPARTMENT

Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

DRILLS

to Drill Holes.



Nine Sizes.

The **Advance** is the strongest and Best Finished Line of **Drills** to be found.

Ask for New Circular AND TRADE DISCOUNTS.

THE SILVER MFG. CO.,

SALEM, OHIO.

The Ball Nozzle for '96.

Prices Reduced for 1896.



No. 6 Lawn Sprinkler. BALL NOZZLE for '96.

For LOW PRESSURE,
(Works under Five Pounds Pressure.)
HIGH PRESSURE,
ANY PRESSURE,

The Acme of Perfection of

LAWN SPRINKLERS.

Manufactured solely by the **American Ball Nozzle Company,**

Write for Prices

837-847 Broadway, New York.

BRANCH HOUSES:

421 Market St., San Francisco. 519 Marquette Building, Chicago.

SEND FOR CATALOGUE.



If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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1896.

P. & A.

• BANNER BICYCLE LIGHT

Burns Kerosene Oil

AND IS

WIND PROOF.

All Parts Riveted or Seamed.

NO SOLDER TO MELT.

Removable

TOP.
FOUNT
REFLECTOR.
BURNER.



Makes it Easy to Take Apart. Easy to Put Together.

THE Fount unscrews from the Burner. All brass, full nickel plated. It is packed with cotton, preventing any splashing of the Oil in the jolting of the wheel. The Burner is attached to the lamp proper by a bayonet catch, so that both Fount and Burner can be removed in an instant. The Filler Cap on the side of the Fount makes it most convenient for filling. . . . . The lamp is 5½ inches high. The lens 3 inches in diameter, and as made gives a double reflection, both downward and straight ahead. The weight is 12 ounces. It is clean, simple, light and durable.

. . . MANUFACTURED BY . . .

The Plume & Atwood Mfg. Co.

29 Murray St., New York. ⊙ 119 Lake St., Chicago, Ill.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

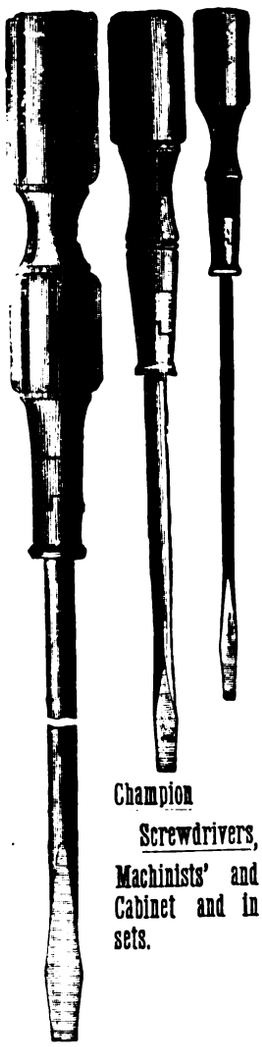
NEW YORK,	BOSTON,	PHILADELPHIA,	CHICAGO,
26 Park Place.	160 Congress St.	Room 710, Betz Bldg.	204 Masonic Temple.

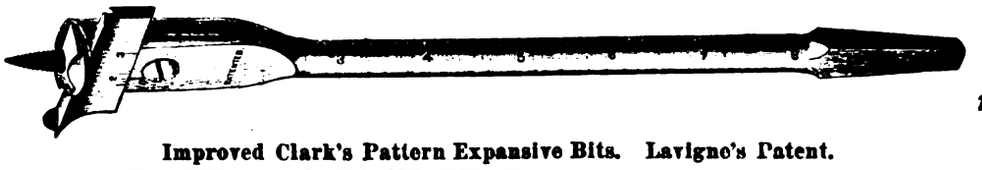
Main Office and Factories, Meriden, Conn.



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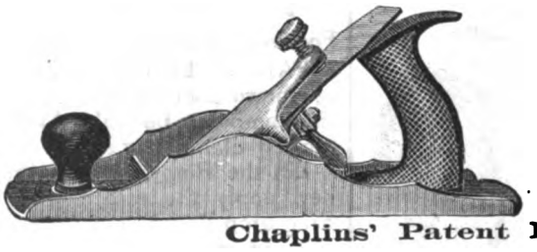
Carpenters and Machinists' Tools.





No loose parts.

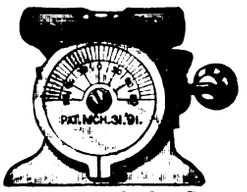
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.



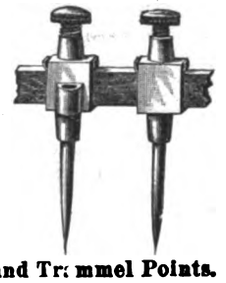


Corrugated Face.

Chaplins' Patent Iron Planes.









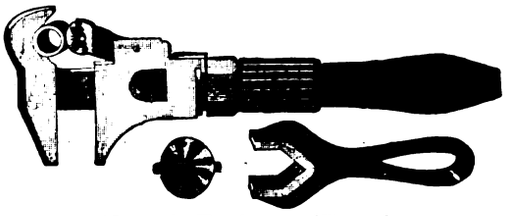


Unique Levels for Sqr. Plumb Bobs and Trammel Points. Mail Lamps and Oilers.

Champion Screwdrivers, Machinists' and Cabinet and in sets.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

NEW YORK.

95 Chambers and 77 Reade Streets,

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,

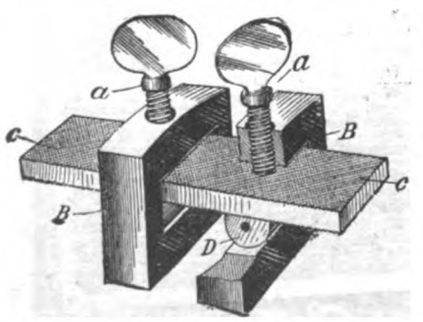
CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener



A New and Useful Article Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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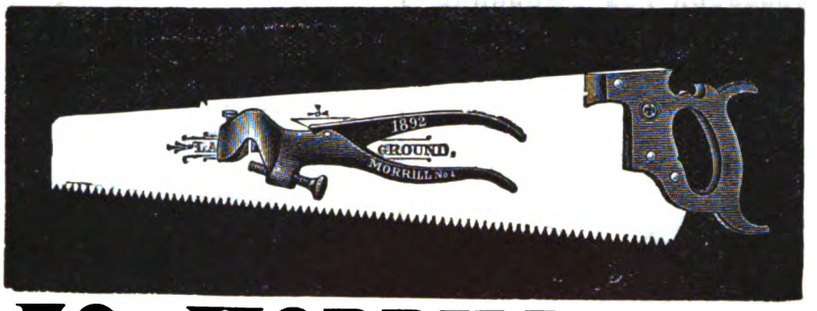
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

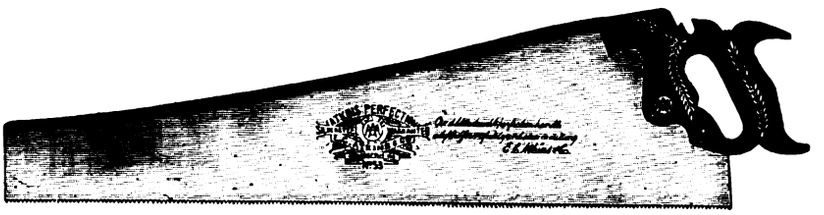
CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind. BRANCH HOUSES } Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

MANUFACTURERS

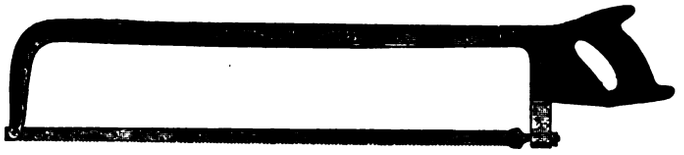
THE Atkins SILVER STEEL SAWS.

SILVER STEEL



THE BEST SAWS MADE.

THE ATKINS "PERFECTION" SAW. No. 53.





An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

WHY NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. - - SHALL WE SEND YOU ONE?

WE FURNISH COMPLETE OUTFITS.

THE HANSON & VAN WINKLE CO.,

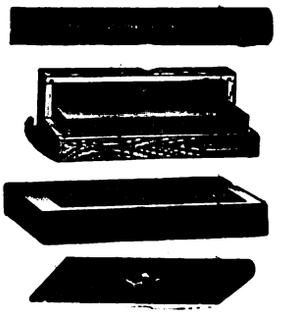
CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND,
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG,
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



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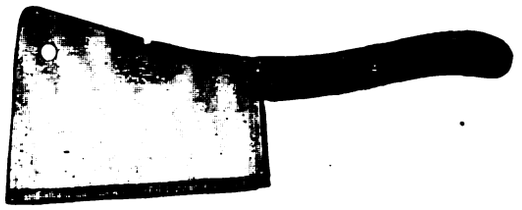
MANUFACTURERS OF

SCALES

—AND—

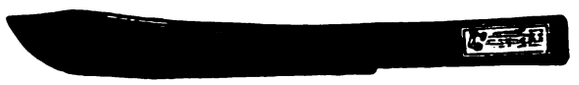
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

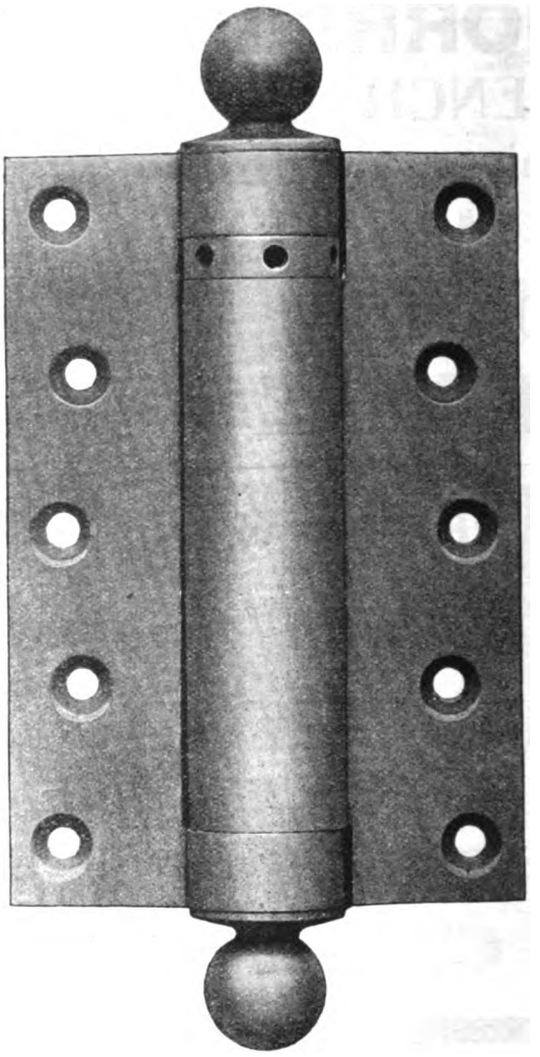
BUTCHERS' CUTLERY





JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.



NORWALK LOCK CO.,

Manufacturers of

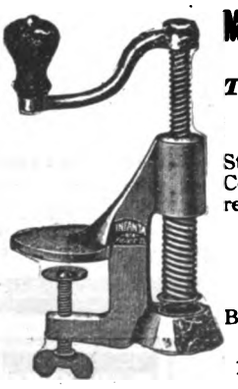
Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

Underhill, Clinch & Co., New York, 94 Chambers St.
New York, 83 Chambers St. Boston, 209 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 25 Hanover St., (Henry Keidel & Co.)



MERIDEN MALLEABLE IRON CO.,

SOLE MANUFACTURERS OF

THE INFANTA CORK PULLER

Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

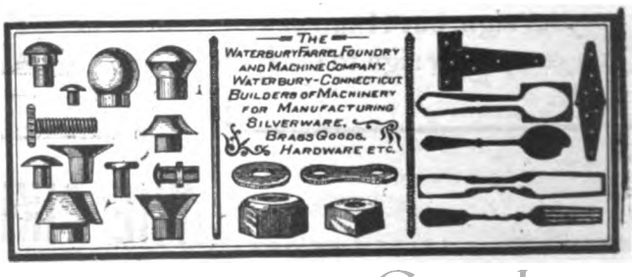
THE RAPID CORK PULLER

—AND—

RAPID LEMON SQUEEZER.

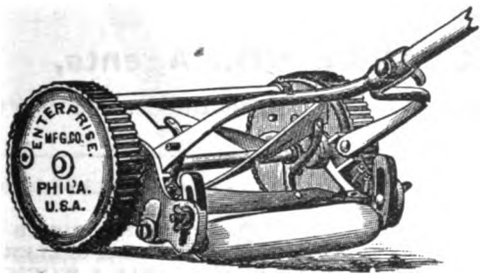
Best in the market. Send for circulars and prices.

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. . . LAWN . . .
Mowers ✣ Sprinklers



THEY ARE EQUAL, IF NOT SUPERIOR, TO ANY IN THE MARKET.



Painted or ☞Tinned.☜
7, 9, 11, 13 or 15 Inches.

No. 1, - - - Price, $3.50.
No. 2, - - - " 2.75.

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The Trade Sells Them.

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The Sterling Emery Wheel Mfg. Co.,
Tiffin, O.

EASTERN AGENT:

L. BEST,

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New York.

CUTTER, WOOD & STEVENS,

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Boston



MANUFACTURERS OF

Emery

AND

Corundum Wheels.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.
- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

CONSOLIDATED 1891.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

Samuel W. Allerton, Prest.
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THE ARCADE FILE WORKS

WEED'S IMPROVED CUT
GUARANTEE SEAL
ALL FILES ARE FULLY GUARANTEED
SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

New York. Chicago.

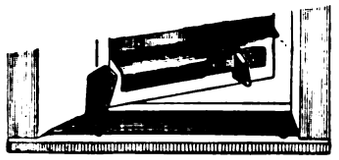
ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 83 Reade St., NEW YORK.

AXTELL WEATHER STRIP

Over a million applied. Never out of season.

IS NO EXPERIMENT, SOLD TO THOUSANDS WHO HAVE HAD OTHERS REMOVED AND THE AXTELL APPLIED



Wholly STEEL, will not warp or split.
Has no WOOD or SPRINGS to break.
No RUBBER to harden and pull out.
DOES NOT spring the door, but keeps it STRAIGHT and true. Not affected by ice, cannot be FROZEN down or pulled apart.
We WARRANT it to combine every excellent point needed for a perfect strip, and invite your correspondence in regard to it.

E. I. CHURCH & CO.,
West Hanover, Mass

The Bradley Shaft-Coupling

The only real quick shifting, anti-rattling coupling ever put together. Complete in itself and always ready.

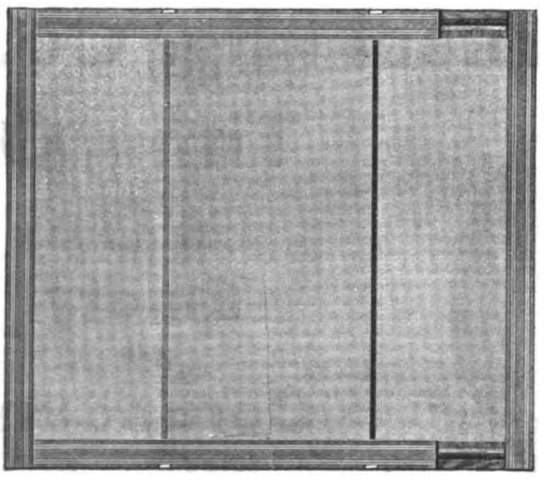
No Bolts, No Nuts, No Screws, No Rubbers, No Wrench, No Rattle. Over 20,000 pairs in use. 12,000 pairs sold in 1895.

Send for Circular and Price List.

C. C. BRADLEY, Jr.,
SYRACUSE, N. Y.

WIN A BUYER
BUY A SELLER
SELL A WINNER







FLY "POETRY"

Although **no bars**
His progress bars,
The **Wingless** "Flyer"
Disappoints the fly;
For when it flies
There are **"no flies,"**
And when it sails,
You find **in sales**
It's still **a "Flyer,"**
'Cause it's **"very fly."**
So, **"let it fly!"**
"Out on the fly!"

P. S.—Above might be better,
Surely, not worse,
But we can make Screens
If we can't make verse.

The "Flyer,"

A High-Grade, High Speed Window Screen that "Gets There."

This Screen is revolutionizing the Window Screen Business. More have been sold than of any other screen in the same time. . . . . .

Send for our new catalogue of "Screen Goods," and ask your jobber for our Cloth Signs reading, "Headquarters for Fly Screens." . . . . . .

The A. J. Phillips Co.,

FENTON, MICH.

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NICHOLSON FILE CO.

STOP and READ.

We **SOLD** in the year 1895

35% MORE FILES AND RASPS

THAN IN ANY PREVIOUS YEAR OF OUR HISTORY.

THIS DOES NOT INCLUDE OUR NEW

Great Western Brand.

DO YOU WANT A

BETTER RECOMMENDATION?

IF SO,

TRY OUR FILES,

THEY ARE THE BEST.

SEND FOR CATALOGUE. 450 ILLUSTRATIONS.

MENTION THIS PAPER.

PROVIDENCE, R. I.

Hardware Dealers

Buy lead pencils, carpenters' pencils, lumbermens' crayons, stove polish, graphite paint, lubricating graphite, belt dressing, crucibles and other graphite products of

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

Who are the largest and oldest importers, miners and manufacturers of graphite, plumbago and blacklead in the world.

CASTINGS
SMALL AND MEDIUM.
Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.
C. H. Angus, - Albany, N. Y.

H CHANNON COMPANY
DEALERS IN
DIFFERENTIAL CHAIN HOISTS.
24-26 MARKET STREET, CHICAGO.

You take no risk on the quality.
We make only the best

TRADE MARK REGISTERED
BAEDER, ADAMSON & Co
MANUFACTURERS OF
GLUE
SAND PAPER, EMERY PAPER,
EMERY CLOTH
CURLED HAIR.
FOUNDED 1858.
NEW YORK. CHICAGO.
BOSTON PHILADELPHIA

Sand Papers IN Reams and Rolls
Flint Paper
Garnet Paper
Emery Paper
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Hair FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co
700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
140 MILK STREET, BOSTON.
100 LAKE STREET, CHICAGO.

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The SMITH & EGGE MANUFACTURING CO.,

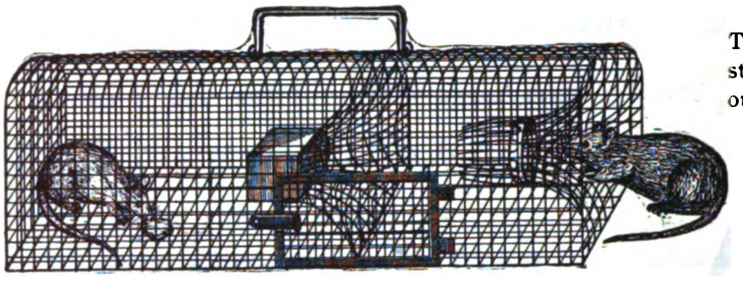
BRIDGEPORT. CONN.

MANUFACTURERS OF

"YANKEE" RAT AND MOUSE TRAPS

The most Ingenious and Effective Traps ever made.

Surest,
Safest.
Cleanest.



These Traps are well and strongly made, and thoroughly galvanized.

All TRAPS carefully packed and shipped in strong crates.

"GIANT" PADLOCKS. BICYCLE LOCKS.

"GIANT" METAL SASH CHAIN,
"RED METAL" and STEEL CHAINS.
SASH PULLEYS In IRON and BRONZE.

PLUMBERS' CHAINS.
PLUMBERS' TANK PULLS.

PIPE STRAPS, S HOOKS, AND SPLIT LINKS.

Sole Manufacturers of the

"EUREKA" PATENT SHEAR.

Patented Nov. 1st, 1881. A useful and cheap tool for cutting rods and strip metal.

Send for Illustrated Catalogue.



THE GEO. W. STANLEY CO.,

BELLEVILLE, ILL.

Manufacturers of

Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.



The "Toledo"

STEEL HOSE REELS

Will not swell or shrink.
Price is low.
Best and Cheapest Reel on the market.

Quotations on application.

The Toledo Metal Wheel Co.,

Toledo, Ohio.



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HARDWARE

VOL. XII. MARCH 10, 1896. NO. 11.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY.
No. 148 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - - - No. 417 ASHLAND BLOCK.
BOSTON, - - - - - - No. 13 PEARL STREET.
CINCINNATI, - - - - - No. 101 NEAVE BUILDING.
DETROIT, - - - No. 10 PENINSULAR BANK BUILDING.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS
LARGER THAN THAT OF ANY OTHER
PAPER IN THE UNITED STATES
DEVOTED TO THE HARDWARE TRADE.

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WE GUARANTEE THAT THE CIRCULATION OF "HARDWARE" DURING 1896 WILL EXCEED

ONE HUNDRED AND TWENTY THOUSAND

AND THE SAME WILL BE PROVEN BY THE PUBLICATION ON THIS PAGE, IN EACH ISSUE, OF THE POST OFFICE RECEIPTS FOR COPIES MAILED THE PRECEDING ISSUE.

There will be no war with England. On the whole, we don't believe that anyone, except the pugnacious and patriotic New York *Sun*, ever believed that these two great Christian nations would come to war over South American boundary lines, or over any other question, at this stage of civilization. Still, it is the part of patriotic wisdom to be ready, and the more preparation made to receive an enemy the less likelihood there will be of any enemy coming this way.

Congress seems to be a great deal more interested in Cuba and European politics, than in the financial and business situation of the country. Perhaps there is a benefit to be derived from this. As a general thing, the less law-making, the better for the country at large. This comes from sending men to Washington who know more about law and politics than practical business affairs.

Hardware's Circulation, Feb. 25, 1896.

Since the opening of this year, the circulation of *Hardware* by issues has been as follows:

January 10th - - -	**5651**
January 25th - - - -	**5125**
February 10th - - -	**5377**
February 25th - - -	**5249**

This makes a total of **21,402** for two months. These papers have not been scattered over a half dozen trades, but have gone into the hands of but one—those who buy Hardware to sell again; the Hardwaremen, and the house-furnishing stores that make Hardware an adjunct. The value of a circulation of this character can be seen at a glance. The question of *quality* counts equally with that of *quantity*.

The following tells the story for our issue of February 25th:

ORIGINAL.

NEW YORK POST OFFICE,
MAR 2 1896
....., 189....

Received from

Hardware

IN WEIGHT, AS FOLLOWS:

	TARE.	GROSS WEIGHT.
32 *No. 1 Sack 3 lbs.*		2782
No. 2 Sack 2 lbs. 5 oz.		96
Net weight - - -		2686
Rate per pound - -		01
Amount of postage -		$26.86

Per Callahan *Receiving Clerk.*

C. W. DAYTON, *Postmaster.*

Applying the commonest rules of arithmetic to the above, we find:

2686 × 16 = 42,976
42,976 ÷ 9½ = 4523
4523 + 726 = 5249

In other words, 2,686 pounds of *Hardwares* were mailed at pound rates; each copy weighed 9½ ounces, making a total of 4,523 copies. Add to these 726

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delivered by carrier in New York, mailed under postage stamps, and held for office use, and we have a total of 5,249 as our issue for the last number of February, 1896.

The view taken by intelligent experts of an exhibit like that above, is well shown by the following from the latest issue of *The Trade Press*, a well-known journal of Chicago, published in the interests of trade and class journals:

"*Hardware*, of New York, claims a circulation larger than that of any other paper in the United States devoted to the Hardware interests. It guarantees that during 1896 its aggregate circulation will be 120,000, and the same will be proven by the publication on its editorial page, in each issue, of the post-office receipts for copies mailed the preceding issue. *Hardware* is a good old standby, and its boasts are not made up of wind, like some others in its line."

Those Lively Crimson Rims.

The Syracuse Cycle Co., Syracuse, N. Y., make the following interesting statement: "The demand for Syracuse Bicycles in the metropolitan district is something phenomenal It has gradually grown to such proportions that our metropolitan representative, Chas. J. Stebbins, was in a quandary as to how he would be able to secure Crimson Rims quick enough to supply the ever increasing demand. This matter was settled, however, by a wire to the Syracuse Cycle Co. on Feb. 25th, to the effect that he must have a car-load by express at once. It is with considerable credit to the hustling propensities of this company, that within two days after receipt of this telegram, three hundred and twenty-five Crimson Rim Syracuse bicycles were loaded on an American Express car and shipped to New York. We are informed that this is the only car-load express shipment ever before made in this country. Special dispensation was granted by the N. Y. C. & H. R. R. R. to allow us to decorate the car with banners appropriately lettered. We also beg to announce that we have closed negotiations with the Duguid Saddlery Hardware Co., of Syracuse, N. Y., for a large quantity of their new and improved saddles. This company make a specialty of a broad seated ladies' saddle, which they believe is far superior, from a hygienic point of view, to anything that has ever before been constructed."

Hardware's Chicago representative dropped in on E. M. Murray, secretary of the Bicycle Step Ladder Co., No. 50 State Street, one day last week, and found him engaged in assorting a very liberal consignment of mail, among which were orders for the Bicycle Step Ladder from the following states: New York, California, Maryland, Illinois, Colorado, Missouri, Pennsylvania, Vermont, Connecticut, Texas and Wyoming. In addition to these were orders from Montreal, Quebec and Halifax, N. S. To have received orders from so many different points in one day's mail, speaks eloquently of the eminent adaptability of the Bicycle Step Ladder to the wants of storekeepers who have high shelving; particularly in view of the dullness of the times, when business men in every line are cutting down expenditures and doing without all the conveniences they can spare.

A Colorado Hardware dealer has for a sign over his store door a big red coffee pot, covered with letters enumerating his line of stock. It makes a very unique advertisement and does not fail to attract the attention of all passersby.

Annual Banquet Minneapolis Hardware Association.

The second annual banquet of the Minneapolis Hardware Association was held February 25, 1896, in the spacious banquet rooms in the Guaranty Loan Building. There were thirty members and guests present, representing nearly every Hardware store in the city.

After a half hour's social chat in the parlors, the company repaired to the dining-room and sat down to a bountiful repast, prepared by one of the best known caterers in the Northwest.

After the cigars were served, C. F. Stremel, president, acting as toastmaster, gave the address of welcome. The following toasts were ably responded to:

Pioneer Hardwareman, - - - - - J. Stoft.
The Retail Trade, - - - - - J. H. Smith.
The Retail Hardware Association, - H. B. Gardner.
Hardware Stores vs. Department Stores, F. L. Stoddard.
Future of the Retail Trade, - - - F. R. Warner.
Our Union, Past, Present and Prospective, J. E. Nash.

Mr. Nash also read the following poem composed by himself which was loudly applauded:

THE RETAIL TRADE.

Excuse the liberty I take, in answer to your call;
I'll tell the plain unvarnished truth tho' it should hit us all;
I once a million hoped to make, and wished for three or four;
I really thought the place I'd found within a Hardware store.

I advertised, and sold goods cheap, expecting great renown,
And thought the other Hardwaremen would have to leave the town.
But trade came slow; I could not see the error of my game
Until I found some fifty men had figured just the same.

My pride was touched; I cut so low, my store would scarcely pay.
And don't you think those other chaps they did the selfsame way?
Thinks I, this lesson I should heed; oh, if I only knew
Some Moses in this wilderness to lead me safely through.

But things grew worse; we all marked down; no profits could we see
Until a Moses did appear and said "Come, follow me." [see;
He said, "No man could run the town, we all had come to stand.
United and I will lead you out into the promised land."

We did unite; he led us on, into a better way;
We grew in strength, and took delight in profit day by day.
Then Moses called his faithful ones unto a banquet fine,
And promised ere the year was past he'd lead us o'er the line.

But Jordan was not yet in sight, for one with no regard,
For rank or station, came and pitched his tent in Moses' yard.
"Now stop!" says he. "We can't agree, this part of town is mine.
"What's he about? Just take him out, or else I will resign."

Then in the thickest of the woods he left us in the lurch,
If they had been two *little chaps* we'd treated both with birch.
Where then to go, we did not know, until a later day,
A little Moses did arise and tries to lead the way.

Now if we spend our surplus cash to run our neighbor out,
His place will soon be filled again by abler men, no doubt.
And they will also look about and try the game to win.
Till, pockets bare, we sell and get some other victim in.

And so the ball turns round and round, the trusts our profits take,
Until at last we're well content if we our living make.
Just use your eyes, and look about, whose is the master mind?
'Tis men of brains and men of wealth all solidly combined.

Then let us stand a loyal band, no need that one should fall, [all.
We'll save our strength to right the wrong, there's room enough for
Now in this day of great combines our pledge we should renew,
In unity and harmony, there's strength and profit too.

But where is our first Moses now, who led us over there?
We listen—listen—for reply, but echo answers: "Where!"
If you should see him, give your hand, and tell him you've no doubt,
Should he apply, and with us try, we'll work the problem out.

An Indian scalping knife was found in a tree in Clearfield County, Pa., a few days ago. The blade was imbedded twenty feet from the ground, and as the tree counted one hundred and seventy-five rings from the point of the knife to its hilt, it would indicate that the blade had been in the same position for almost two centuries. The stamp on the side of the knife consists of the representation of a crown and a bottle, and it was no doubt imported from England in the early days of the colonies and was probably traded to the Indians.

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Why Jacob Added Bicycles.

Editor Hardware: For a hundred and fifty years the Trotlines, of Boston, have been in the Hardware business. From the day the first Jacob Trotline hung the immense gilt padlock over the door, down to the day of the present Jacob, there has been an unbroken succession from father to son.

Notwithstanding the prestige established, the business of the present proprietor is at a standstill—even worse; ugly rumors come to Jacob's ears, which drive him to his dingy office, where he buries himself for hours in old accounts.

Jacob Trotline is very conservative; when approached by traveling men who desire to introduce this or that novelty, he has but one reply. "My people," he will say, "have had this stand for a hundred and fifty years, and got along without your jimcracks, and so can I." Especially was he averse to the bicycle, and all pertaining to it; he accepted soberly the grotesque cuts of the bloomer woman, as produced in the comic papers, a liberal supply of which his friends or enemies never failed to provide. St. Valentine's day was too good an opportunity for the jokers to miss. The valentine Jacob received pictured Cupid riding a safety through the air, with the legend "Cupid up to Date." The jokers had added a very good likeness of Jacob, with wings, bow and arrow, labeled "Jacob Trotline out of date."

After receiving this valentine the motto "Out of Date" set him to thinking. That night he worked at his books alone, and it was after eleven when he closed the safe, turned down the gas, and, before putting on his overcoat, sat to warm his feet before the open grate, which still contained a few glowing coals. With the valentine in his hands, he gazed into the fire, and the traditions of his ancestors were strong upon him. Then the clock in the old church tower clanged out the first stroke of midnight. Immediately a rattling and a clanking as of iron bars from the rear of the old building caused Jacob to turn with a shudder. What he saw, or thought he saw, held him in horror and amazement.

Two feet from the old anvil, used in cutting iron, a white shadowy something appeared through the gloom, and took the semblance of a human skeleton. In phosphorescent letters across its brow glowed the legend "Out of date." At the second stroke the rattling was repeated, and another skeleton stood beside the first, and so on until the last quaver of the bell, when, side by side around the anvil, twelve skeletons stood, each with a blacksmith's sledge held high in its bony hand. To add to the horror of this strange sight, Jacob thought he saw a change take place in the anvil as each skeleton appeared.

But it was only when the twelfth one took its place that Jacob's idea was confirmed. The anvil had taken on his likeness. It was his own figure he saw in the centre of the standing circle of bones. At this moment the skeleton labeled "Out of date" swung its sledge high in the air as though to strike the likeness of Jacob, but the sledge seemed beyond its control, and instead of the skeleton swinging it, the sledge made the skeleton dance and rattle around the crouching figure, part anvil, part man. The man-anvil begged for mercy, promising the dancing skeleton to do anything and everything, even to adding a line of bicycles. This last promise caused the skeleton to jump higher, and the sledge came down with a ringing blow. Immediately "Out of date" fell apart with a click. The next skeleton to strike was "Poor Buying." This presented a most deformed appearance, with no skull, and bones for both legs on one side. The blow it struck, however, was a powerful one, making the fire fly as the sledge descended. Then in succession came "Just as Good," "Cut Prices," "Quantity five per cent.," "Neglect," "Dishonesty," "Deceit," "Uncleanness," "Hand-Bill Advertising." Two of these were joined like the Siamese twins. Their names were "Credit" and "Slow Pay." Immediately following the last blow Jacob heard the "click" as before, then all was still.

The surprise of the good friends of Jacob Trotline was great indeed to see a workman taking down the old padlock. It was greater when they saw swinging in its place a bicycle. But this was not all. Plate glass replaced the small panes in the show window. The old stock was brought out and sold. His advertisements appeared in the papers, particular attention being called to the assertion that all goods and methods were "strictly up to date."

SHOP MAN.

Mr. Wilhelm Appreciates Sympathy.

W. I. Wilhelm makes use of *Hardware* in acknowledgment to his many friends, in the letter that follows:

HAMBURG, PA., February 28, 1896.

Gentlemen: The total destruction, February 20, 1896, of my home by fire, has made me the recipient of a great many letters of condolence and sympathy from my many friends. As it is almost impossible to acknowledge them in severalty, I take this means of returning my most sincere thanks for their kindness. The accumulation of many little articles of vertu, extensive library, and the trophies of many hard-won races, as well as the collection of all things that go to make up the comforts of life and the satisfaction of a quiet and happy home, have been wiped out of existence in a few hours. The loss is irreparable, but the many expressions of sympathy and the kindness extended me by my friends and neighbors have gone a long way to relieve the minds of myself as well as my family of the unfortunate occurrence.

Very truly yours,

W. I. WILHELM.

A "Grate Hand for Brain Work."

The Peninsular Stove Co., Detroit, Mich., believe that they have learned why there is forever a rush to the cities, to the detriment of the country. It is because the brains of so many men ache with greatness, that a scene of excitement is sought as a means of relief. They base their theory upon a letter received some days since, of which a verbatim copy is here given:

February 20th, 1896.

Dear Sir:—"I have made a few inventions but I am to poor to get them Patented so I would like to sell them or give them to some one that can get them Patented and then draw a sirtain Persent of the Profet.

I am farming now But I would like to git a plase to work on a big factory or invention shop because *I am a grate hand for brain work.*" yours respectfully,

---

E. C. Stearns & Co., Syracuse, N.Y., say through the columns of their "Spokesman," that "the shipments of Stearns bicycles just now are keeping the truckmen of Syracuse in a state of perpetual activity. Besides hundreds of smaller shipments, two entire carloads of wheels were sent out recently, one going to H. B. Shattuck & Son, of Boston, and the other to the Tinkham Cycle Co., of New York. Verily, business is in a flourishing condition when shipments like this become an everyday occurrence."

The Hall-Shone Co., Rochester, N. Y., have elected the following officers for the coming year: E. H. Hall, president and treasurer; F. A. Norcott, vice-president, and H. L. Hall, secretary. The company are meeting with greater success than ever in the manufacture and sale of their Automatic Rubber Mud Guard and other specialties, including Hutchinson's Dress Guard and Tire Lacing Cord, of which they are the sole selling agents.

Window frames and door casings are now made of aluminum, to be used in the construction of fireproof buildings.

Russia produced 130,898 tons of cast iron in 1894.

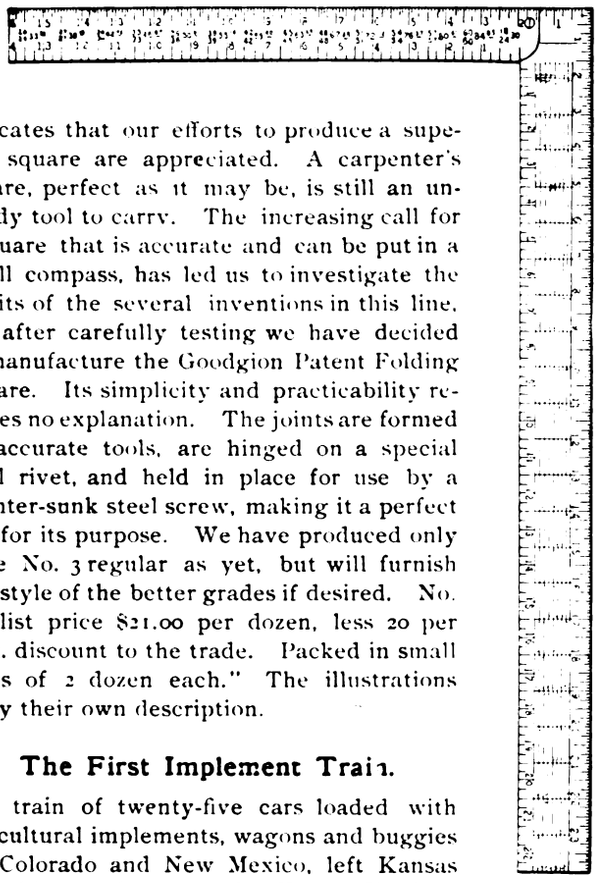
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Southington Cutlery Co. Steel Squares.

The new Steel Squares here shown are being manufactured and successfully placed upon the market by the Southington Cutlery Co., Southington, Conn., and No. 98 Chambers Street, New York, with Arthur G. Sherman, No.



14 Warren Street, New York, distributing agent for the Eastern and Middle States. In connection with them, and in description thereof, the company say: "For the past two years we have been remodeling, improving and adding expensive machinery for the better production of perfect Steel Squares. Our increasing trade on these goods



indicates that our efforts to produce a superior square are appreciated. A carpenter's square, perfect as it may be, is still an unhandy tool to carry. The increasing call for a square that is accurate and can be put in a small compass, has led us to investigate the merits of the several inventions in this line, and after carefully testing we have decided to manufacture the Goodgion Patent Folding Square. Its simplicity and practicability requires no explanation. The joints are formed by accurate tools, are hinged on a special steel rivet, and held in place for use by a counter-sunk steel screw, making it a perfect tool for its purpose. We have produced only style No. 3 regular as yet, but will furnish any style of the better grades if desired. No. 3F, list price $21.00 per dozen, less 20 per cent. discount to the trade. Packed in small cases of 2 dozen each." The illustrations carry their own description.

The First Implement Train.

A train of twenty-five cars loaded with agricultural implements, wagons and buggies for Colorado and New Mexico, left Kansas City this morning, says the *Kansas City Star*, of Feb. 28th. It was the first implement train ever sent out of Kansas City. The entire train load of implements and wagons were sold in Colorado and New Mexico by H. D. Steele, the Western agent of the Parlin & Orendorff Co. of this city.

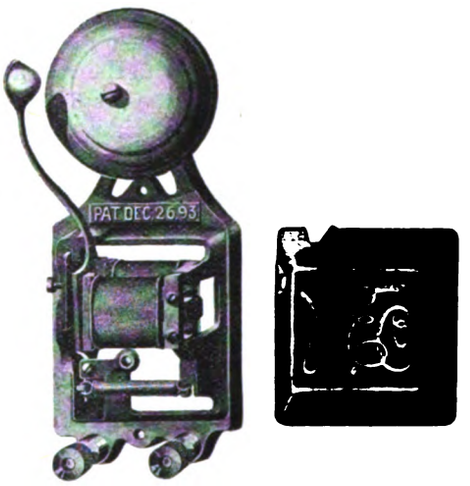
The train was made up last night in the freight yards of the Santa Fe railroad at Argentine and was billed to leave for the West at 6 o'clock this morning, but was held till 9 o'clock to be photographed. J. Z. Rohraback, superintendent of terminals of the Santa Fe road, and a crowd of railroad men and implement dealers went to Argentine early this morning to see the train. The cars were furniture cars, each forty feet in length and of exactly the same color and size and were equipped with air brakes. A "Jumbo" mountain engine with a steel snow plow in place of the regulation cow catcher had been brought from Colorado especially to pull the train. Along the sides of each car, near the roof, were cotton signs with letters three feet long, that extended the whole length of the car. The car next to the engine bore the sign "Parlin & Orendorff Co., Kansas City and Denver;" the next car bore the sign "This is the first trainload of implements, wagons and buggies shipped from Kansas City." Then followed such signs as "Just a little starter for 1896," "Must be some good reason for all this," "This is not the end—there is more to follow," "Do you know this train is nearly one-fourth of a mile in length, weight of goods in cars 700,000 pounds, value $75,000?" Other signs advertised the line of goods made by the firm.

A passenger coach was attached to the train and the following persons started with it for Denver: H. D. Steele, Cyrus Funk, J. T. Allison and W. B. Frederick of the Parlin & Orendorff Co. and P. H. Manter, J. E. Meginn and H. M. Parry of the Santa Fe road.

The train will reach Denver Monday night. It will travel only during the daytime. At Holliday, Kan., where the train made its first stop, a crowd had gathered this morning to see it. Officials of the Santa Fe road said it would cost Parlin & Orendorff about $5,500 to have its train hauled from this city to Denver.

Electrical House Bell.

The accompanying cut gives a good idea of the appearance of a new electrical house bell, which has just been brought out by the Western Electric Co., Chicago and New York. It is to be known as the "1020" bell, taking its name from the list number. The makers state that "this bell is so constructed that it will work perfectly for a year



without any attention, where ordinary bells frequently require looking after every month or so. The magnet has a broad armature surface which makes it much more powerful, and the armature works on a pivot where cheaper bells are made with a clamp and spring. Notwithstanding the increase in the cost of construction resulting from these improvements, the cost of the bell to the trade is only slightly greater than the cheaper makes in common use, and to individual purchasers the difference would be merely nominal. Every householder who has bought ordinary bells will readily see the advantages of this one." Dealers should write for prices to either the New York or Chicago house where a full stock is carried and secure at least one sample of the bell for examination and exhibition.

At the annual meeting of the stockholders of the Reading (Pa.) Stove Works the following directors were elected: Elijah Bull, Enoch T. Painter, William H. Shick, Charles S. Prizer, Robert P. Shick, Jesse Posey and Grant Nagle. The board reorganized by electing Charles S. Prizer, president, Elijah Bull, treasurer, and Robert P. Shick, secretary.

The Marlin Firearms Co. have added to the model 1895, which was lately brought out in the 40 and 45 calibres, the 38-56 calibre. These rifles are now ready for delivery.

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CONTINOUS BUSINESS-PAPER ADVERTISING.

BY NATH'L C. FOWLER, JR., DOCTOR OF PUBLICITY.

In continuity is strength.

In disconnection is failure.

The Builder of the Universe did not build something, Monday; and build nothing, Tuesday; and rebuild, Wednesday; and rest, Thursday.

He built something every day of the week, and only rested when He was through.

The forces of nature are continuous.

The fundamental principle of motion is everlasting.

The brook which runs on forever is the brook the fish live in.

The brook which dries up in a month, and i a torrent next month, is the brook folks try to get rid of.

The man who feeds his horse on Monday, and gives him nothing to eat on Tuesday, has a weak horse on Wednesday, and a dead horse on Thursday.

The child who goes to school on Monday, and skips Tuesday, and attempts to connect the end of Monday's lesson with the beginning of Wednesday's lesson, is handicapped by conditions diametrically opposed to progressive education.

All things being equal, the store which has been the longest time in some one place is the store which does the greatest business.

Change of base, and especially change of business base, is only allowable excepting under conditions which make moving essential.

Money is made in specialties and bargains, but the fortunes of trade have been made, and always will be made, along the regular line of regularity; by handling business, to-day, as it was yesterday, and by handling business, to-morrow, as it was handled, to-day, subject to the changes of the times, and to the recognition of the conditions of progress.

Continuous good is far better, and more negotiable, than transient good, however good transient good may be.

The most progressive advertisers of the world have advertised continuously.

They advertised not for the fun of it.

They figure business on the hardest slate with the hardest pencil.

All that they do, they do for profit only.

Ninety-nine per cent. of successful advertisers are continuous advertisers.

The man who advertises in January, and discontinues his advertising in February, must advertise more extensively in March, in order to cover the gap his foolishness has created.

It takes more advertising in March to bridge the break of February than it does to advertise in January, February and March altogether.

There are lines of goods which can't be advantageously extensively advertised during certain months of the year, but advertising of those goods should never be completely annihilated.

It can be reduced in size, for any object, but it should be continuous, that there may be no need when extensive advertising begins of connecting the two advertising periods.

The continuity which regulates all good business should be used in the regulation of advertising.

Advertising is no longer a luxury or a side issue.

It is a commodity.

It never will be successful unless it is handled the same way as are handled other commodities.

Copyright, 1896, by Nath'l C. Fowler

In the continuity of advertising is the good of it.

In the continuity of advertising is the strength of it.

To break the advertising connection is to break trade connection.

Trade connection can be broken, advertising connection can be broken, and the house still remain successful, but the shrewd business man is not satisfied with the minimum of success. He is everlastingly striving for the maximum of success.

When he cuts expenses he cuts proportionately everywhere.

He does not stop advertising.

He advertises a little less, perhaps, but he advertises.

He never allows the medium he uses to go to press without the mention of his name and of his business.

He advertises in off-season, in order that the people may be better prepared to appreciate his efforts in season.

He keeps everlastingly at advertising, and wins.

J. W. Kiser.

J. W. Kiser, president of the Monarch Cycle Mfg. Co., was born on a farm near St. Paris, Champaign county, Ohio, thirty-eight years ago, and followed farm work until entering Wittenberg College, Springfield, Ohio, in 1880,



from which he graduated in 1884. He intended taking up the profession of law, but, getting married, was confronted with the necessity of at once making his own living, and accordingly took a position with the O. S. Kelley Co., large manufacturers, of Springfield, Ohio, as traveling collector or adjuster of litigated claims. He resigned his position in 1889 to take the management of the Chicago Sewing Machine Co., at that time employing about thirty-five men. Out of this company has evolved the Monarch Cycle Mfg. Co., capitalized at half a million dollars and employing 1000 men, of which Mr. Kiser is president, treasurer and general manager. He is one of those business men who know an opportunity and are quick to embrace it. He saw the coming supremacy of the bicycle as a factor of locomotion, when the safety patterns were first introduced, and, with characteristic pluck and determination, entered the field with a product that should always be in the van. The result is shown in a phenomenal success in cycle history. Mr. Kiser personally superintends the entire management of the immense concern of which he is the head, has remarkable executive ability and a faculty for organization, and is a polished and agreeable gentleman. We are permitted to reproduce his pleasant features in this connection.

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The 1896 Features of the Monarch.

The accompanying illustrations show some of the new features of the Monarch wheels for 1896. Reinforcements are used throughout the frame at every connection, as shown in Fig. 1. The rear forks are made especially strong by the extension of the reinforcements back from the crank

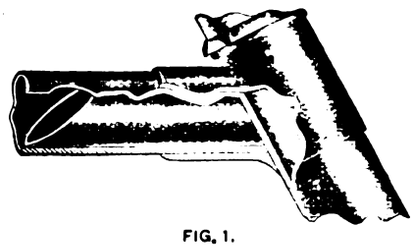


FIG. 1.

bracket connection several inches beyond the point where the forks curve inward to meet the reduced width of the tread. The rear forks embody entirely new details, as will be seen by Fig. 2. The set screw used in tightening the chain has a bearing on the front side of the axle washer and is in line with the rear fork blades, on which the washer slides for adjustment. By this arrangement the nut and washer for binding the bearing cones are kept in perfect alignment with the fork ends, and the thread on the axle is not bruised by the set screw having a bearing on the thread. To the left of the cut will be seen a small sketch

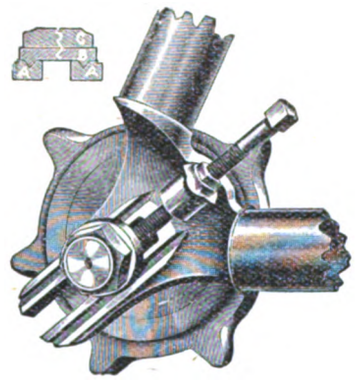


FIG. 2.

showing the special feature of this slide adjustment. Fig. AA represents the fork blades with a small V shaped groove, running the length of the blades. Fig. B is the washer, machined with two V ridges across its face, which fit in the V shaped groove on the fork blades, and Fig. C the axle nut. When this nut is tightened, the washer holds each side of the fork end in perfect line and distributes the weight equally instead of throwing it all on the upper side.

On the chain side the axle is faced with two flat cuts, so as to fit snugly in the fork ends, thereby preventing the axle from turning, as the adjustment is made and the axle

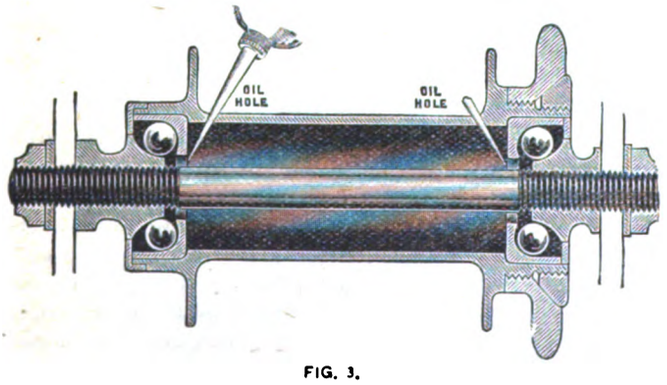


FIG. 3.

nut tightened. The new Monarch hub, shown in Fig. 3, is made from a forging, with oil chambers as one of the main features. These chambers are made to fit over the ends of the hubs, which are machined to the depth of the chambers, so that the finish is flush and the joint tight. The openings of the chambers are accurately gauged, and the cones likewise, so as to admit of a close fit flush wit the end or face of the chamber. By this arrangement there is no exposed surface where dust can accumulate. With these oil chambers frequent oiling is rendered unnecessary, as they retain sufficient oil for a month's use. The detachable sprocket is shown in Fig. 4. The front sprocket consists of a rim which is attached to the crank axle spider

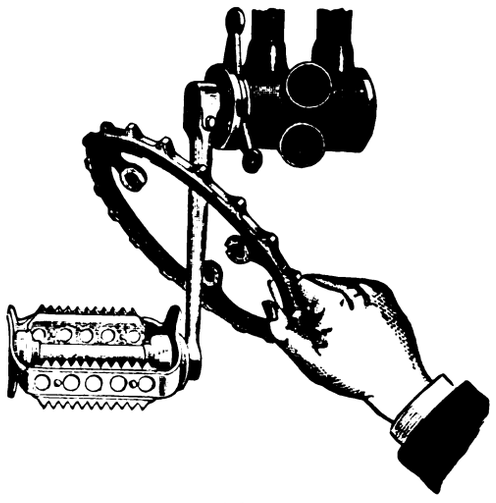


FIG. 4.

with three small bolts. The extremities of the arms of the crank axle spider are seated in circular lugs on the inside edge of the sprocket rim, thereby relieving these bolts of the shearing strain that cuts them off, which has been the only objection to detachable sprockets of this general design. The bolts serve no purpose but to hold the rims in the seat milled out for them. This gives a very neat, smooth sprocket. As the spider arms are flush with the sprocket rim, the sprockets can be very quickly removed or exchanged without removing the pedal or crank. The crank axle, Fig. 5, is a drop-forging with a half inch disk or flange; although the tread has been reduced, the new method of adjustment admits of an increase in the distance between the bearings, thereby bringing the bearings almost directly in line with the rear sprocket

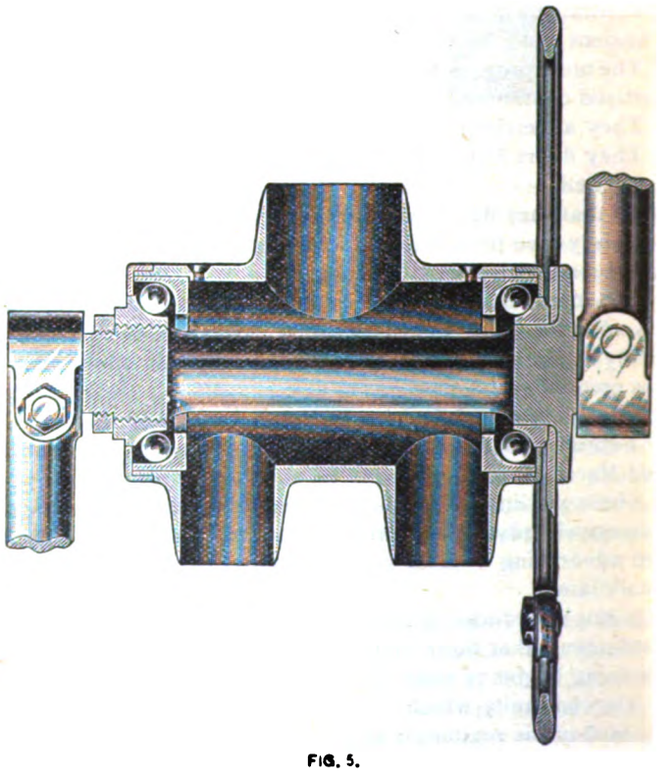


FIG. 5.

wheel. The adjusting cone on the opposite side is operated upon a left hand thread with a jam nut on the right hand thread. The width of the tread of these machines is 5¼ inches. The company succeeded in reducing the tread to this width, at the same time retaining an equal balanced

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tread on the center line of frame; that is, it is an equal distance from center line of frame to either end of crank axle, and the point of the saddle is in a line perpendicularly over the center of the tread. They say: "Anyone having the slightest knowledge of mechanics will at once

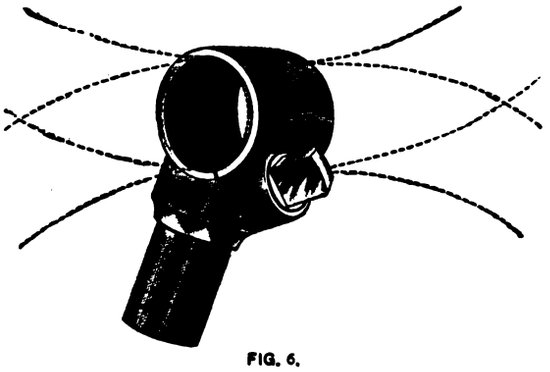
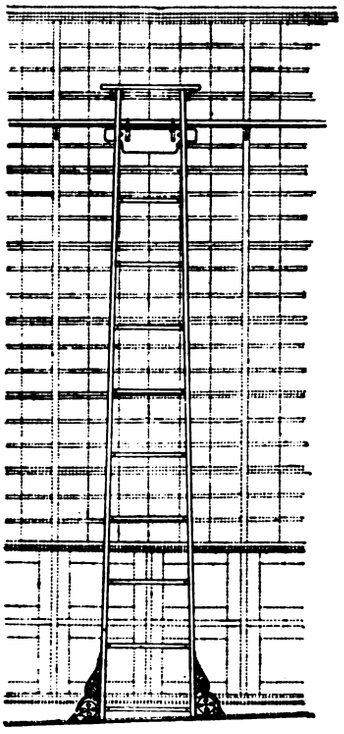


FIG. 6.

recognize the disadvantages of a crank axle and tread construction that places the right foot, in pedaling, a greater distance from the center line of frame than the left, as it affords the right foot a greater leverage upon the frame than the left, thereby producing an unequal strain on the frame, tending to twist it out of line." Fig. 6 shows the adjustable handle bar, which, by an ingenious device, can be quickly and securely changed to any desired position.

The Bicycle Step Ladder.

Reference has previously been made in these columns to the facilities possessed by the Bicycle Step Ladder Co., of Chicago, for the manufacture of their specialty. Not only are they in constant receipt of letters from customers going to substantiate their claims for the excellence of the Bicycle Ladder, but they meet the requirements of special cases to the entire satisfaction of their patrons. They have placed on the market this year three special makes of the Bicycle Ladders: One for sloping floors; one for use



in cases where a track cannot be laid, and one for turning corners.

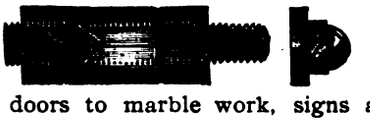
Of the ladder first named, an illustration is given herewith. It is the custom in some localities to build stores in which the floor is several inches higher at one end than at the other. In all rolling ladders the guide pole must, of course, be parallel with the track; but if the pole and track ran parallel where the floor was sloping, the guide pole would slant across the face of the shelving so as to seriously interfere with, if not prevent, the removal of articles from the shelves along which the guide pole ran. In the new ladder referred to this difficulty has been met and admirably disposed of by constructing the hooks in such a way that they hold the ladder to the guide pole, and adjust themselves automatically as the ladder is rolled back and forth; slipping up as the lines of the pole and track separate and slipping down as they converge. In subsequent issues the trackless ladder and the ladder for turning corners will be described.

New Brass Expansion Bolts.

The Steward & Romaine Mfg. Co., Philadelphia, Pa., makers of Expansion Bolts, are making for the sanitary plumbers and marble trade, new special brass expansion bolts, some of which have nickel plated movable heads,



like the cuts shown herewith. They are used for innumerable purposes, some of which are the fastening of closets, urinals, basins to slabs, brackets of all kinds, brass pipes



and hinges of doors to marble work, signs and notices, marble partitions and surbases to other material, soap boxes and racks, which carry medicated paper, and a hundred other purposes in connection with fine hotels, public





building and office work, where a finishing job is required. The cuts herewith show full size of some of the bolts, being made from a No. 9 screw to ⅝ diameter, both single or double. They also make special brass bolts to order.

J. B. Miller & Co., Washington, Pa., have issued a price list of their genuine Miller Hand-Made Grain Cradle. In a word of explanation concerning these articles, they say that they are made of the best second-growth white ash, excepting the rods, which are made of the best hickory. The fingers are all of the natural crook, "making a much stronger finger than the sawed ones. We also use the very best scythes that we can get. Our Cradles have the reputation of being the lightest weight, greatest durability of any grain cradle manufactured, and are commonly called by the farmers the 'famous light-running Miller Hand-Made Cradle.'" The prices they quote for the season are as follows: Cradles complete, delivered f. o. b. your city, $34 per dozen; Cradle Woods, four fingers, f. o. b. your city, $22 per dozen; Cradle Woods, five fingers, f. o. b. your city, $24 per dozen; Cradle Fingers, f. o. b, your city, $1 per dozen. "Jobbers desiring to furnish their own scythes are at liberty to do so; if shipped to us will be hung without any extra charge."

The Berlin Iron Bridge Co., East Berlin Conn., have the contract for furnishing the iron work for Meara Bros. new block, at Torrington, Conn. This block is three stories high, and the girders are placed in the ceiling of the first floor and made sufficiently strong to support the two upper floors. The top floor is a dancing hall, and the structure has been made with the view of making the building as stable as possible, and avoid any danger of vibration caused from the use of the dancing hall on the upper floor.

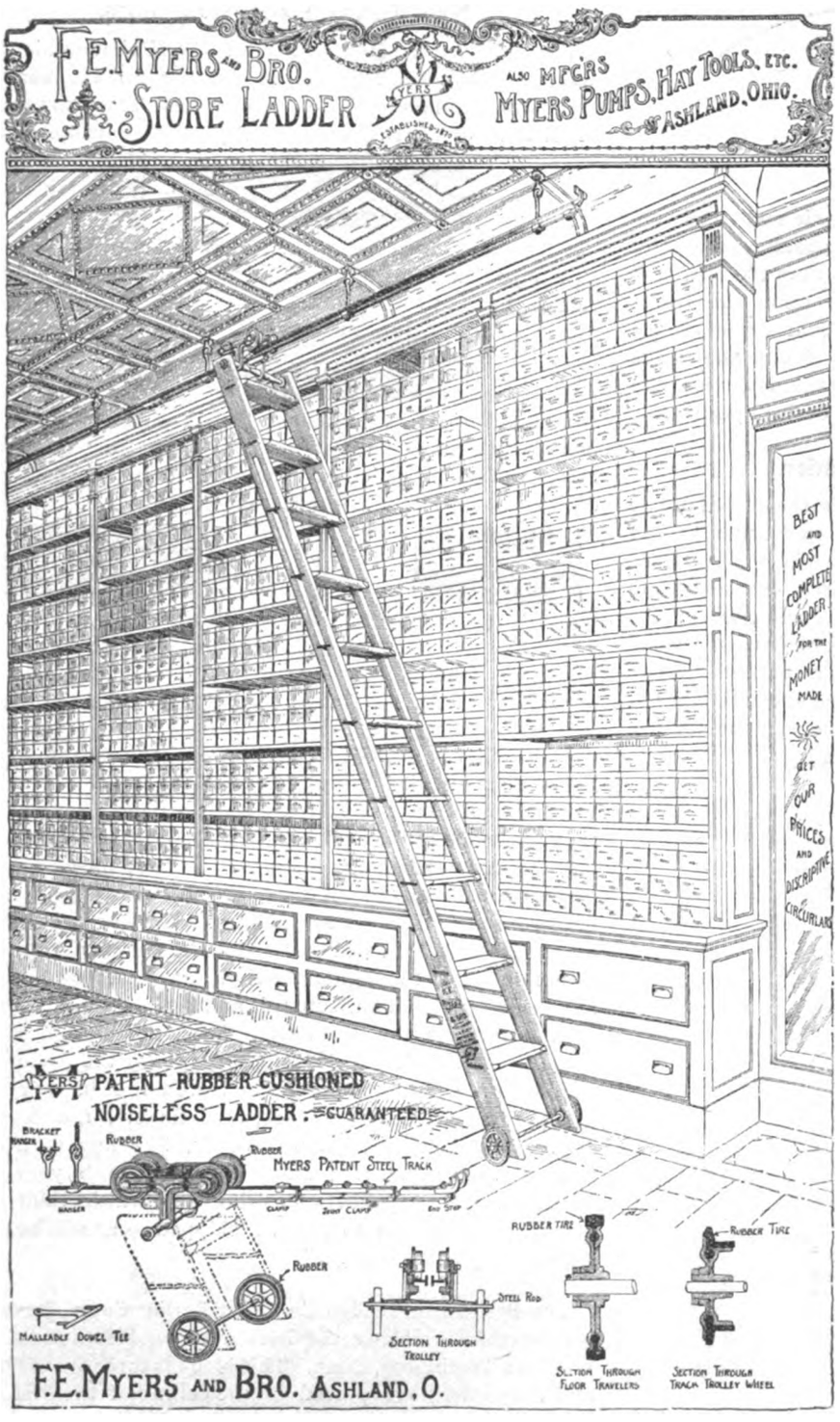
Sidney Shepard & Co., Buffalo, N. Y., have issued a catalogue on steel milk cans and dairy specialties. The catalogue illustrates milk cans of several makes as well as milk can fixtures, improved creamery pails, nestable strainer pails, milk kettles and milk measures, etc.

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The Myers Cushion Tire Store Ladder.

The question of utilizing space in the storeroom is one of great importance to the merchant, as the unoccupied space above the shelving is valuable, and the question of how to utilize this has been solved by the advent of the Store Ladder. It saves time, as the operator can reach various points, and complete an assortment of goods, without descending from the ladder.

The Ladder shown in illustration is the result of diligent effort and years of experience given to its perfection, and



is offered to the trade with a guarantee that it is "a strictly first-class article in every respect, and as now constructed saves room, time, labor and money."

The Ladder is constructed of the best clear Georgia pine, nicely finished filled and varnished, has open panel sides, five inches wide with five-inch steps. Each step is supported at each end with a special malleable dowel tee, which makes strong construction. The width of the ladder over all is twelve inches. The manufacturers, F. E. Myers & Bro., Ashland, Ohio, say: "The track is our well-known double angle high carbon steel rail, which is very neat and strong, and, as clamped together, absolutely straight. It is suspended from the ceiling by means of hangers with lag screw end, or malleable flange plates or wood screws, as illustration shows. The track is placed close to the ceiling, and can be leveled to any uneven ceiling without the least trouble or without any blocking or bridging, the hangers being adjustable up and down. The trolley is self-adjusting, and oscillates so that the four wheels are constantly carrying their share of the load on the track. It is fitted with turned steel bearings; has three-inch anti-rattler wheels with our special rubber tire on tread, and also on flange, as section through indicates. The floor travelers are five inches in diameter, composed of metal sides, with rubber cushion tire, clinched in such a position as to be impossible to come off or get loose. These wheels are placed on a steel axle, which revolves with the one, while the other runs loose. In this manner the ladder will adjust itself to the floor (see sectional drawing.) The rubber tires are of the best quality of material employed in bicycle use. One of the important features of the Myers Patent Store Ladder is its construction throughout, designed in simple form, so that with the instructions furnished by the manufacturer, the purchaser can place this ladder without employing skilled help, as it is entirely adjustable in every way, no riveting or machine work of any kind being required after they are sent out. The only thing necessary is to fasten the hangers to the ceiling. The hangers are adjustable up and down, making it easy to level the track."

The Buescher Mfg. Co.

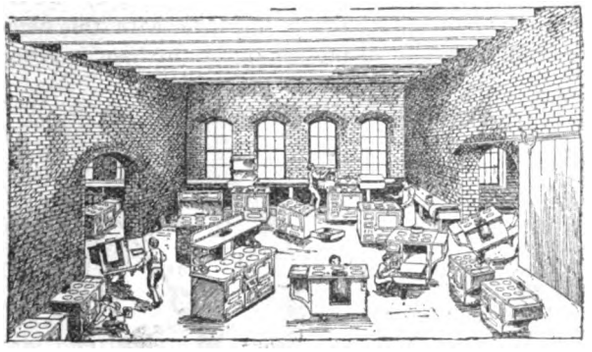
L. G. Winn, representing the L. A. W. Lock Co., a part of the Bellis Bicycle Co., of Indianapolis, has returned to that city after a couple weeks' visit in this city. His business here was to note the kind of workmanship turned out by the Buescher Mfg. Co., and this having proved eminently satisfactory, to place an order for 100 000 (or more) patent combination bicycle locks. The device is simple, yet effective, and the demand for it will be large. The lock proper consists of three tumblers, and at least 75,000 different combinations can be made. The lock is of aluminum, and is useful as well as ornamental. The factory has already begun working overtime (till 9 P. M.) several nights of the week, in order to fill their contracts. One thing worthy of note is the superiority of work done by the Buescher company over that of another house which had been making the locks for several months. The local company not only improved the finish wonderfully, but redesigned the general shape of the lock, and greatly improved it.—*Elkhart (Ind.) Review.*

The coal mines of Great Britain produced 1,410,555,360 tons during eight years from 1887 to 1894. The iron ore mined during the same period amounted to 1,033,204,769 tons.

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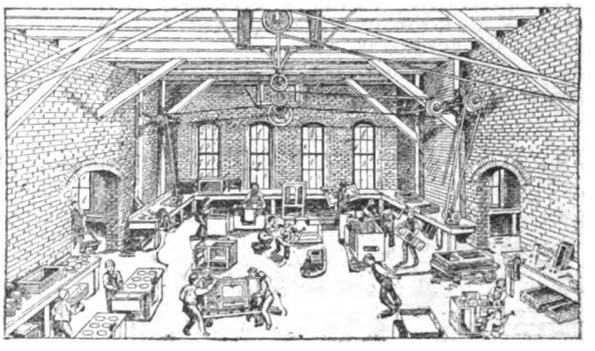
The Peninsular Stove Co.'s Steel Range Plant.

The Peninsular Stove Co., Detroit, Chicago and Buffalo, have taken up the manufacture of steel ranges on a large scale. For years they have been classed among the leading makers of cast iron stoves and ranges, as well as hot air furnaces, and their works at Detroit have kept pace with the developments in cast iron stove making. With

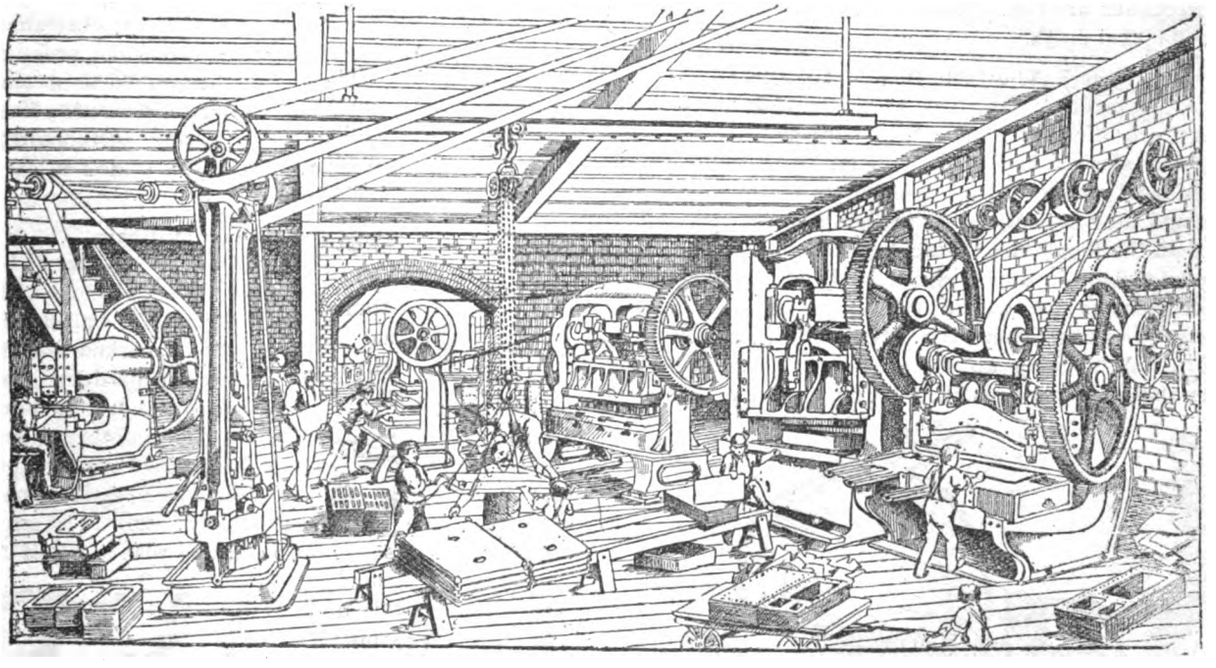


characteristic energy they have not only added a steel range plant to their works, but have sought to make it one of the best equipped establishments of its kind. It was perceived that a weak point in many steel ranges is the defective manner in which the various parts are put together. Steel ranges require riveting, and riveted parts should fit accurately in order to avoid seaming or straining the steel sheets. This can only be done by very careful work in drilling or punching the holes. It is possible for experts to mark the sheets and drill or punch each hole singly, and do the work quite accurately, so that the parts thus prepared will fit each other and make a thoroughly well finished range. But such workmen are rare. To avoid dependence upon individual skill, modern machine tool makers have devised the gang punch or press by which almost any number of holes can be punched at one operation, and punched accurately every time. Corresponding parts punched in this manner cannot fail to fit. Other machines have also been devised to take the place of skilled labor in other departments of sheet metal working which are equally essential in turning out accurate work. Parts so made fit together with mathematical precision, and not only as regards one range, but every range turned out day after day. The investment of the large amount of capital required for the installation of such machinery precludes its common use, but the Peninsular Stove Co. did not hesitate to make the investment when the manufacture of high class steel ranges was decided upon as a branch of their business.

The accompanying cuts show the character of the company's steel range plant. The building used for the purpose is 100 by 150 feet, two stories high. The press room contains a 1000-pound drop hammer, a six-foot squaring shears, five presses and other auxiliary machinery. The steel sheets are first taken to the shears and cut to the required size, perfectly squared ready for the presses. The



largest press weighs 17½ tons, is used for very heavy punching and forming. On it, for instance, the front and back of a range are completed in two operations each. They are perforated with 208¼ inch, which are as easily punched as one hole. The second press cuts out the oven, low closet and flue openings. The smaller parts of the range are perforated in the first press, notched in the second and formed in the third. The other two presses are used for making high shelves and warming closets, perforating all holes at once. Everything pertaining to a complete range is prepared to be put together in the press room, requiring no fitting afterward. The parts of the range requiring two or three or more operations are passed from one machine to another until completed and ready for the workmen who do the riveting. The large dies used in the great presses, weighing up to 4000 pounds each, are put or taken out by means of a chain block which runs on a traveler the length of the dies, placed on horses, but a few minutes being required to change a die. These dies are so skillfully made and adjusted that they can be easily set and repaired.



The largest press punches 200 sheets an hour, with 208 holes to a sheet. The second press punches 300 sheets an hour, and the other presses from 300 to 400 an hour. When all the presses are in operation the parts can easily be produced for 100 steel ranges a day.

HARDWARE costs only One Dollar a year.

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ILLUSTRATED BICYCLE NOVELTIES.

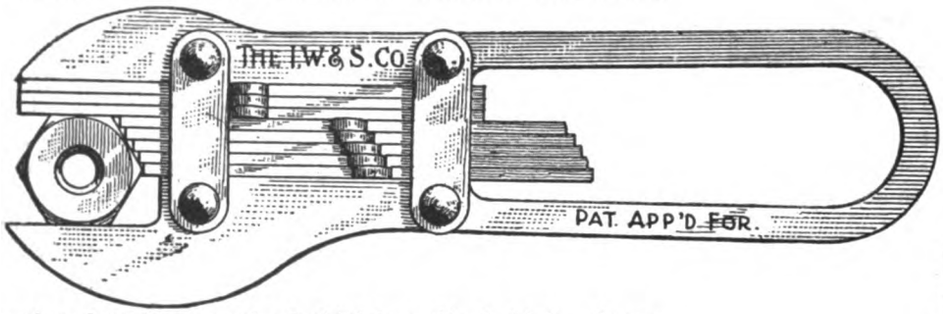
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

New Bicycle Wrench.

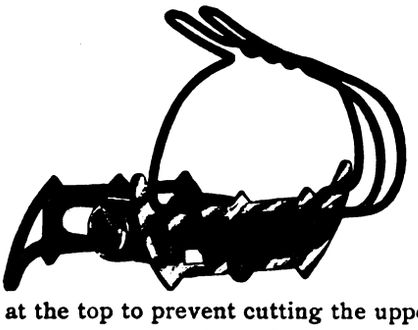
The Indianapolis Wrench & Stamping Co., Indianapolis, Ind., are offering the Self Adjusting Wrench here shown. It is made in steel and in malleable iron, with a



series of tumblers, each of which is 1-16 inch thick. In use the operator places the wrench against the nut—the tumblers being forward—and pushes, making the wrench adjust itself snugly to the nut. It is stated that the wrench possesses the following advantages: that it has great strength through the centre, which is the heaviest point of strain; that having no screw to work loose it remains firm on the nut; that there is no lost motion and that the wrench will not yield to the strain, allowing the nut to slip. The manufacturers remark that the wrench is novel in construction, handsome in appearance, light, strong, quick of adjustment and durable. The malleable iron and drop forged steel wrenches are furnished in both white nickel and in polished nickel finish.

Theim's Adjustable Bicycle Toe Clip.

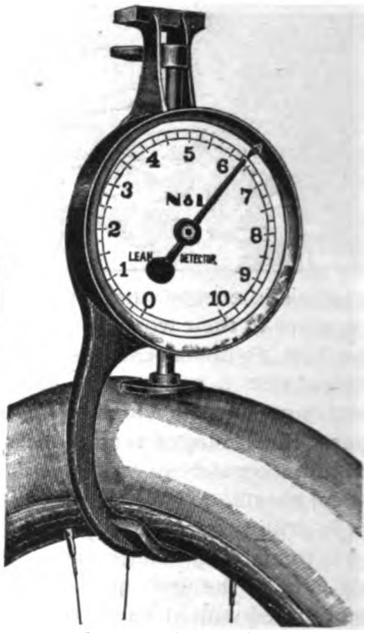
T. H. Cranston & Co., Nos. 58 to 60 Wabash Avenue, Chicago, are offering the Toe Clip here shown. The toe embracing section and the side guard is formed of one piece of steel rod, so there is nothing to become loose and rattle, and they are adjustable in height and width to conform with the shoe. The same bolt that fastens them to the pedal tightens the adjustment, and it is explained that the side guard is so arched as to give the greatest amount of strength, so as to stand the strain of a sudden stop or the hard pull in going up steep grades. It is remarked that by their peculiar construction they present a long vary-



ing surface at the top to prevent cutting the upper, and are made double at the bottom where they are attached to the pedal. Only a screwdriver is necessary to attach them. They are heavily plated to prevent rusting, and weigh two ounces per pair.

Leak Detector.

Horton, Gilmore, McWilliams & Co., Nos. 172 to 176 Lake Street, Chicago, are introducing the Leak Detector, an instrument designed to detect leaks in bicycle tires, herewith shown. Bicycle repairers often have considerable trouble in finding out whether a tire is thoroughly airtight, even with the old method of submerging the tire in water. If there is any leak in the tire, with this device it is soon indicated by a movement of the hand. After the



tire has been repaired and inflated, all that is necessary is to place the instrument on the tire as indicated in the cut. The pointer "A" is turned until it comes opposite the hand. The tire is then set to one side and the repairer goes about his other work. Should there be any leak, the change in the position of the hand will tell the story. The device thus obviates the danger of an improperly repaired tire being sent out. Another use of the instrument is to insure riders who may desire it the same pressure at all times. The leak detector can be applied to a wheel and tire then inflated to any pressure desired. It is nicely nickel-plated and packed in a strong pasteboard box. It weighs about fourteen ounces, and is sold at $4 each. Special prices made for quantity.

Fanning Ball-Bearing Chain.

The Fanning Ball-Bearing Chain Co., Keokuk, Iowa, are offering the Ball-Bearing Chain illustrated herewith. It is referred to as an extension of the idea of ball-bearings in a bicycle to the chain as well. It is remarked that the chain is made of the best steel thoroughly hardened, as having perfect ball-bearings on the sprockets and as doing away with friction to an extent not attained in other chains. The point is made that the chain is standard one-inch pitch and that it does not require special sprockets. The makers state that the chain runs easily; that it is strong and durable; that it stretches but little; that it is self-cleaning,



and does not clog with dust or mud; that it will run perfectly without lubrication; that it does not catch or bind on the sprockets; that it makes no noise, and that it does not snap, grind or jerk. The chain is also referred to as a great assistance in hill climbing and an ideal chain for use on muddy or dusty roads. For general machinery, the makers remark, it supplies chain which will stand a large amount of work, allowing high speed and saving much power.

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Nonotuck Wheel Jig and Rim Driller.

Taintor & McAlpine, Easthampton, Mass., are offering the Wheel Jig and Rim Driller as here shown. It is remarked that this tool is designed for the double purpose of spacing and drilling rims and setting up wheels. To set up a wheel, put the rim in the jaws of the jig, and revolve to see if it is true. In case the rim is not true, it can often be made to run so by turning the rim around in the jig, and if it is flat at any one point, by placing that point directly over



FIG. 1.

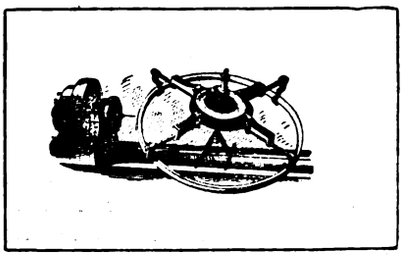
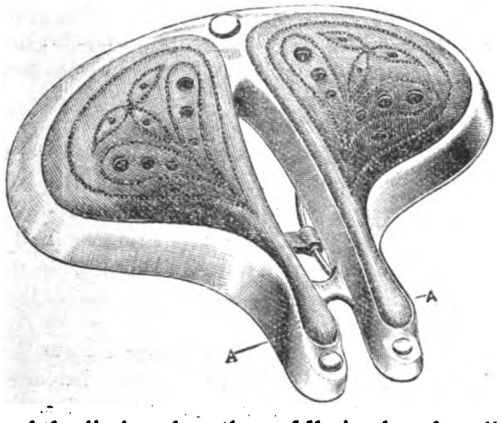


FIG. 2.

one of the jaws and forcing it into shape. Then place the hub on its own axle and the bearings between the centres, taking care to set it in line with the rim. Put in the spokes, screw down the nipples, tightening them on each side of the jaws first. If the rim is a true one and proper care is used the wheel should be very nearly true when taken out of jig. The drilling of rims can be done in several ways. Fig. 1 illustrates one method, viz.: on a lathe. It will be noticed that the jig has been taken from the frame, and by means of the long screw-centre, has been attached to the standard, which is furnished with a jig. This standard is designed to set on the bed of the lathe and notches should be filed in base of the standard to match the ways on the lathe bed. This jig can also be used under an upright drill. The company state that they can also furnish an attachment which screws on the side of the jig frame to guide a drill so that the rims can be spaced and drilled at the proper angle with a common breast drill.

The Hollenbeck Saddle.

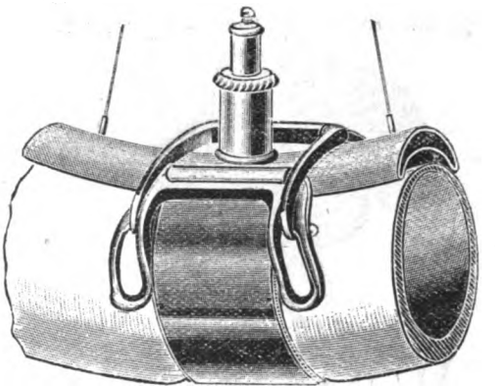
Frank A. Hollenbeck & Co., Syracuse, N. Y., are offering their 1896 Saddle as shown here. The frame is made of aluminum, fitted with coil spring for ladies' use, and flat spring for the use of men. The pommel is cut away, but leaving, it is explained, enough to hold the rider centrally on the seat, and also to help guide the wheel. The outward curve shown at A, is referred to as aiding the rider to keep the position on the seat instead of sliding forward, as allowing



free use of the limbs when the saddle is placed well ahead and over the pedals, and as preventing chafing. The point is made that at the rear the saddle is higher on the outsides than in the centre, avoiding a spreading pressure. This saddle is made in two weights, 17 and 23 ounces.

A New Tire Clamp.

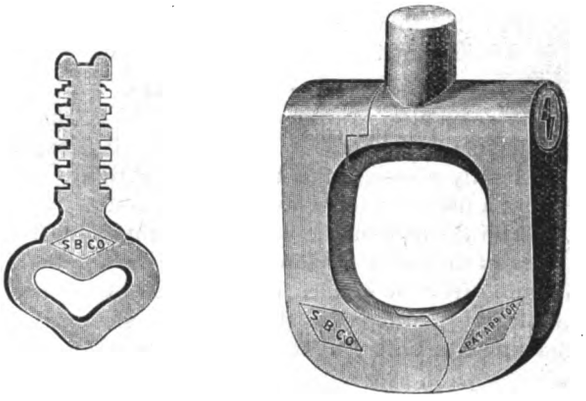
J. M. Schwerin & Co., Newark, N. J., are offering for introduction to the bicycle trade a new safety Tire Clamp. It is made of a ¾-inch strip of brass connected to a steel casing which fastens on the wooden rim of the wheel, being drawn tight by a re-inflation of the tire. In use a rubber strip is placed directly over the puncture and fastened down with the clamp pressed snugly against the tire until



it is again inflated. It is mentioned that the clamp will fasten over any part of the tire's circumference, and is useful in all cases where single or double tires require mending; also that by using several of the clamps and reversing them alternately, quite a large tear may be mended. They can be had of the retail trade for twenty-five cents each.

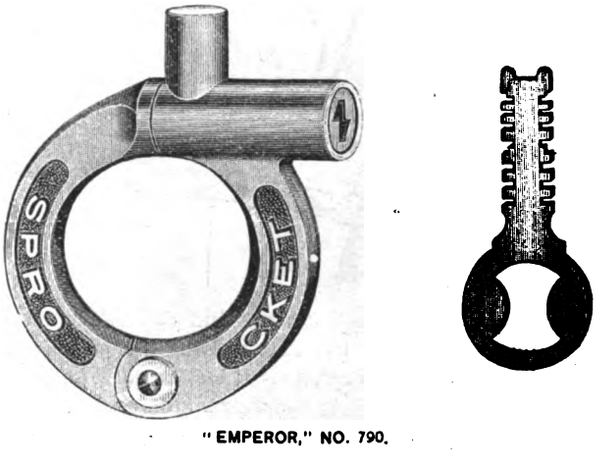
New Sprocket Locks.

The illustrations herewith show two new Sprocket Locks that are being introduced by the Slaymaker-Barry Co., Lancaster, Pa., for whom John H. Graham & Co., No. 113



HERCULES, NO. 794.

Chambers Street, are sole sales agents. The Hercules, No. 794, has all parts machine-fitted. It has a self-locking spring and is spring opening, with rolled bronze metal rod bolts, formed and milled. It is remarked that the springs are indestructible and made of phosphor bronze. The lock is provided with two nickel-plated rolled steel



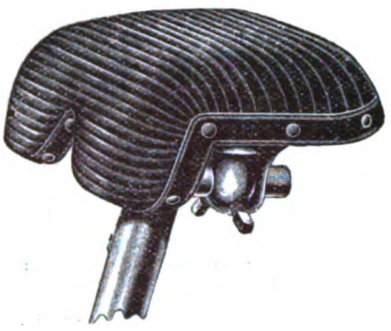
"EMPEROR," NO. 790.

keys, pressed and milled, with 200 available changes. The locks are furnished in the following finishes: Bronze metal, bronze metal nickel plated, and all aluminum nickel bronze alloy. The construction of the "Emperor" No. 790, is similar to that of the "Hercules."

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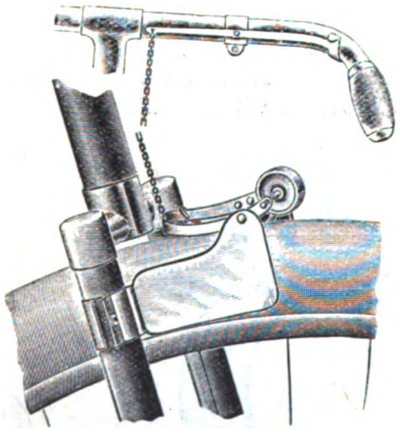
The Detroit Easy Seat Saddle.

The Victor Mfg. Co., Detroit, Mich., are introducing their Detroit Easy Seat Saddle as shown in the accompanying cut. It is on a pivot so as to allow it to rotate on a horizontal plane. The manufacturers explain that the saddle is pivoted to prevent the rider from being lifted forward off the seat, and also to prevent the weight of the body being thrown on the wrists. It is remarked that when the right leg is down the left one is up, and vice versa, and that in operation half of the seat is pushed back out of the way and the other half is pushed further under the rider, thereby relieving the strain on the wrists as the rider is not thrown forward, getting at the same time the benefits of the flat seat. The makers state that with the use of this saddle there is no strain on the wrists or the delicate parts; that there is no discomfort of any kind on long or short rides; that there is no impediment to free limb motion; that there is comparatively no frictional wear on clothing; that there is no tendency to slip forward, and that the saddle is cool and perfectly ventilated.



The Stephenson Bicycle Brake.

The Mascoma Mfg. Co., East Lebanon, N. H., are offering the Bicycle Brake as shown herewith. It is explained that by lightly pressing the thumb piece tightly on the handle bar a little friction wheel is put in contact with the gear, and on the axle of the wheel is a right and left screw which draws the two side plates of the brake together, giving a double friction surface on the sides of the tire, the brake releasing as soon as the pressure is moved. The manufacturers remark that the brake is especially desirable for ladies' wheels, as it requires no reaching and straining to grasp the brake, merely a few ounces of pressure on the push button; that the plates come against the tire where no other wear comes, and away from mud and grit; that the brake weighs but a few ounces and can be put on any bicycle, oval or round forks; that it uses the waste power of the bicycle to brake with; that it leaves the front of the wheel and handle bar clear, so that bundles, etc., may be tied on as usual; that the brake is nickel-plated and that directions for attaching accompany each brake.



"Sure Alarm" Bicycle Signal.

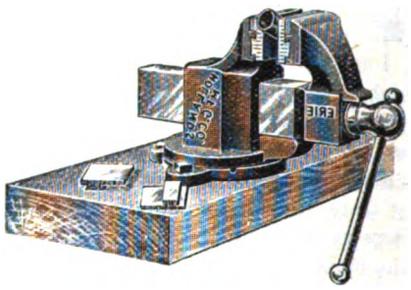
The "Sure Alarm" Bicycle Signal Co., No. 1046 Chestnut Street, Philadelphia, are introducing the "Sure Alarm" Bicycle Signal as herewith shown. It consists of three bells attached to a ring which can be attached to any size metal hub. As long as the wheel is in motion the bells ring, and when one desires to do so the signal can easily be removed. It is a protection for both the pedestrian and the rider, as it is a constant warning to the former and no claim can be made in case of an accident that an alarm was not given, and furthermore, the danger of collisions is greatly lessened.



Patented August 28th, 1894.

Bicycle and Pattern Makers' Vise.

The accompanying illustration represents a newly designed Vise for bicycle, pattern and tool makers, and is made by the Hollands Mfg. Co., Erie, Pa. This is a filer's swivel base vise, with detachable rubber, copper or lead jaws. When the rubber jaws are inserted the lightest tubing and the finished work can be chipped or filed without marring. This latter, it is remarked, is a distinct advantage over other vises and will be readily appreciated by manufacturers and repairers of bicycles. Further information, circulars, etc., may be obtained on addressing the manufacturers.



Ayer & Wolf, No. 919 Betz Building, Philadelphia, have favored *Hardware* with samples of the Maxfield Bicycle Grease, for which they are general sales agents. It is intended for the bearings and all wearing parts of a wheel. They promise that "a wheel once lubricated with it is good for a season's run." It is put up in bulk for manufacturers and repairers of wheels, and in suitable boxes for the retail trade.

J. Bardsley, Nos. 147, 149 and 151 Baxter Street, New York, is placing on the market a low priced line of Wood Door Knobs. These have cast iron shanks, capped or covered with bronze shells. The heads are fastened to the shanks with Mr. Bardsley's patented fastening, in the same manner as the higher priced goods.

V. P. Humason, No. 80 Chambers Street, New York, has been appointed New York representative for the Eagle Sterling Co., Glastonbury, Conn., manufacturers of Sterling Silverware. The company are to be congratulated upon securing the services of an agent so live and energetic as Mr. Humason.

The Peninsular Stove Co., Detroit, Mich., are sending their friends an attractive cut-out card showing their Peninsular Wrought Steel Range in practical use. It has a standard that holds it in position, and makes an ornament for desk or show case.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Kretsinger Cut Easy Hoe No. 80.

The Iowa Farming Tool Co., Fort Madison, Iowa, are offering the Kretsinger Cut Easy Hoe, as shown here. It is in the same shape as the company's A X crucible socket



hoe, has a 7½-inch blade, and with a curved and beveled edge. It is explained that this hoe cuts all the time, when moved to the right or the left, or towards the operator; that it is sharp; that it is a hoe and not a special add tool, and that it will do all a hoe can and more.

The Home Electric Gas Range.

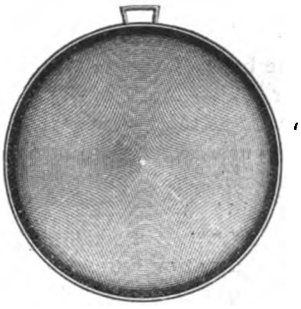
The Electric Gas Stove Co., Detroit, Mich., are offering the Home Electric Gas Range, shown in the illustration. This range has a closed top, carrying away, it is explained, all products of combustion and all odors direct to the chimney flue. The burners are guaranteed to be durable and economical. The body is made of one piece of cold rolled steel. The ovens are of standard size, allowing the use of all kinds of pans used in ovens. The baking oven slides out of the front of the range and is also made of one piece of steel. There are no openings, thus preventing entrance of the products of combustion. A complete flue arrangement surrounds the oven, as will be seen by reference to



the illustration, giving it, the manufacturers remark, the benefit of all the heat of the burner, and keeping it at an even temperature. The bottom oven plate is protected by an extra piece of sheet steel with an air space between. A double jetted burner furnishes the heat. Asbestos mill board lines the sides of the oven, thereby retaining all the heat around the oven. The oven slides are made of heavy re-tinned wire. A large drip pan and meat rest is furnished with each range.

The Perfect Cooking Mat.

Forshee & McMakin, Miami Building, Cincinnati, Ohio, are offering the Perfect Cooking Mat, as shown in the accompanying illustration. It is described as made of white indestructible and thoroughly fire proof material on one side, while the other is of steel, adding to the strength of the mat and fitting it at the same time for its various uses. The steel side has the outer edge turned up, which



prevents the hot fat from running off into the fire. The mat can be used on a grate fire, gasoline or gas stove, wood or coal ranges. It is said to be valuable in the oven, and will prevent fine pastry from baking too fast on the under portion. It is also used in the laundry to prevent the iron from soiling by coming in contact with the flame or getting too hot. The round mat shown in the illustration is ten inches in diameter, and the oblong mats are ten inches wide and fifteen inches long.

Water Meters.

The Buffalo Meter Co., No. 363 Washington Street, Buffalo, N. Y., are offering the Water Meters shown in the accompanying cuts. Fig. 1 shows the Niagara Meter, with

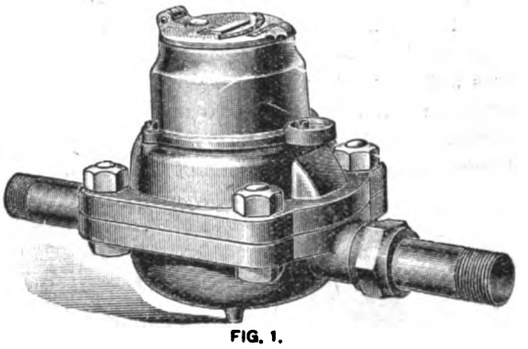


FIG. 1.

a new square flange case, held together by four ½-inch bolts. It is remarked that this meter is much more easily taken apart for examination or repairs than the old style meter with eight small bolts. It is stated by the makers that there is no difficulty in making the joints tight under

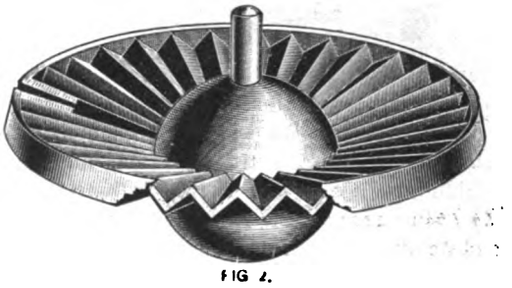


FIG 2.

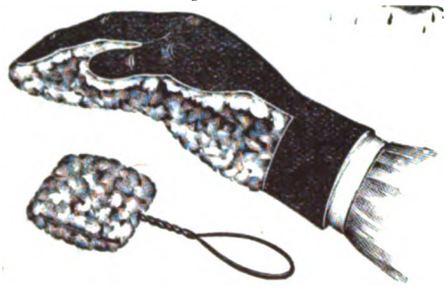
300 to 500 pounds pressure. Fig. 2 represents a new all-metal meter with corrugated disc with hollow ball. It is made from gun metal. It is described as strong, light, sensitive and water packed and, it is stated, is not injured by

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hot water or sediment. The recesses in the web form a water packing and also reduces the liability of stoppage to a minimum.

Park's Stove Polishing Mitten and Dauber.

Parks & Parks, Troy, N. Y., are offering the Stove Polishing Mitten and Dauber as shown here. It is made with a soft front of durable sheep skin tanned with the wool on,



and the back of the mitten is of water proof cloth. The dauber is also made of sheep skin with the wool on, and is so shaped as to readily get the blacking into the crevices and corners. The manufacturers state that with these a woman can black and polish a stove without soiling her hands.

Portable Striking Bag.

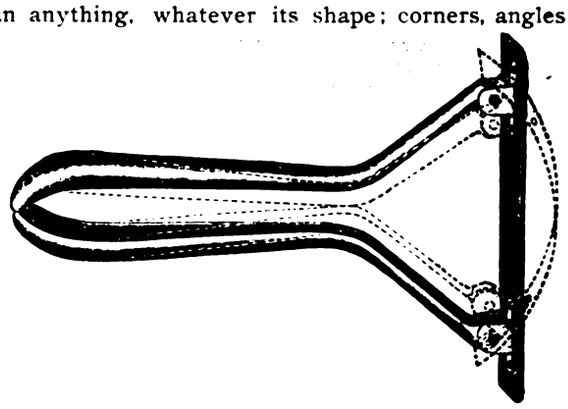
The illustration herewith shows a Portable Striking Bag offered by the Standard Typewriter Exchange, Nos. 604 and 606 Chestnut Street, Philadelphia, Pa. The striking bag is composed of an iron base, weighing 75 pounds, to which is attached a heavy coil steel spring having a small iron casting driven in one end and a hickory reed bolted in the casting. The reed is reinforced at the base by a steel rod running through the center. To the top of the reed an iron cap is loosely fitted, and a leather striking bag encasing a rubber bladder is laced to the iron cap. The leather bag has four leather streamers depending from it, terminating in straps, which are drawn down tight and secured by buckles to a loose iron collar encircling the reed. It is explained that when the bag is struck a glancing blow, it revolves around the reed, and thus relieves the strain which would otherwise be brought to bear, and that the tension on the reed is further relieved by the natural play of the bag on the iron cap. The working of the bag is described as follows: When the bag is struck a blow, the steel spring makes it return to an upright position, and that the return of the bag is very rapid; the effect is similar to having an opponent in front of the person exercising.



The heavy base is to prevent the bag moving from any desired position, although after the operator has finished with it, the entire article may be moved and placed in a corner or a closet. It is pointed out that the bag has many movements which are not found in the ordinary striking bag, and presents numerous new and interesting features. The makers state that it can be operated in any room; that having no connection with walls, floor or ceiling, it cannot affect the plastering, and is practically noiseless.

Flexible Pot and Kettle Scraper.

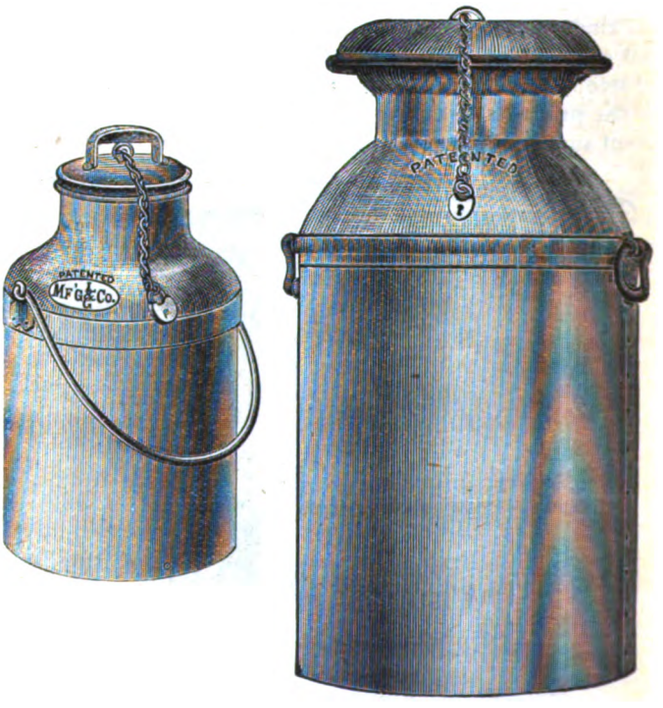
F. E. Kohler & Co., Canton, Ohio, Ryan & Neefus, Eastern agents, No. 75 Chambers Street, New York, are putting on the market their Flexible Pot and Kettle scraper, illustrated herewith. The blades are made of clock spring steel and the handles of bright spring steel, the weight being but two ounces. The manufacturers remark that it will clean anything, whatever its shape; corners, angles and



flat surfaces in any kind of kettles, skillets, sinks, chopping bowls, tables, cupboards, moulding boards, rolling pins, bread pans, pie pans, pudding pans, or even fish are easily cleaned by it, and it will be very useful in scraping the wall in house-papering time. The point is made that with the use of this instrument it is not necessary to soil the hands by putting them in hot or greasy water or other offensive contents of the vessel to be scraped, and all danger of cutting or burning of hands, or tearing of finger nails, is avoided by the use of the scraper. Packed in boxes of one dozen, and cases containing one gross.

Locking Attachment for Milk Cans.

The Lalance & Grosjean Mfg. Co., No. 19 Cliff Street, New York, are offering a locking attachment for railroad milk cans which they have fitted to their L. & G. style of milk cans, as seen in the accompanying illustrations. The device is simple, consisting of a steel chain secured to a staple on the back of one side of the milk can, the chain passing through the handle of the lid and being fastened by means of a padlock to a second staple on the front of the



can, thus making its contents absolutely secure. This new feature has been designed more particularly for use on milk cans intended for export, in which it is often convenient to pack other articles, which can thus be carried safely. It is also adapted for use in certain circumstances where cans are sent by railroad and where there is any risk of the contents being abstracted in transit.

Tourist's Curling Irons.

The Geo. L. Thompson Mfg. Co., Nos. 6126 to 6130 La

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Salle Street, Chicago, are placing on the market the Tourist Curling Iron, as shown here. The irons are nickel plated, with antique oak handles, folding especially for the use of

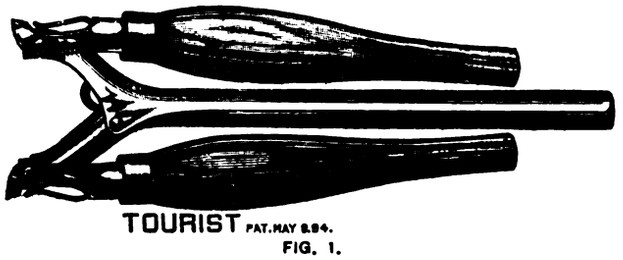


FIG. 1.

travelers, thus occupying a comparatively small space. The point is made that the irons can be heated over a lamp chimney, as in Fig. 2, and therefore serve the purpose of

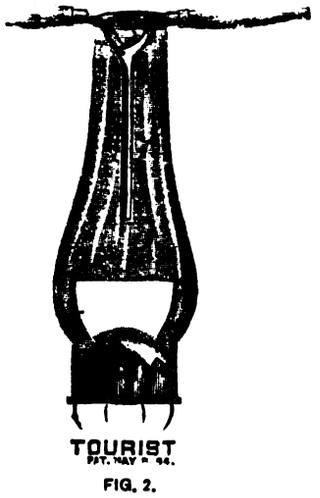


FIG. 2.

a curling iron and heater combined. The same curler is made with nickel plated tips on the handles, and is catalogued as the Traveler Folding Curler.

White Mountain Grand Refrigerator.

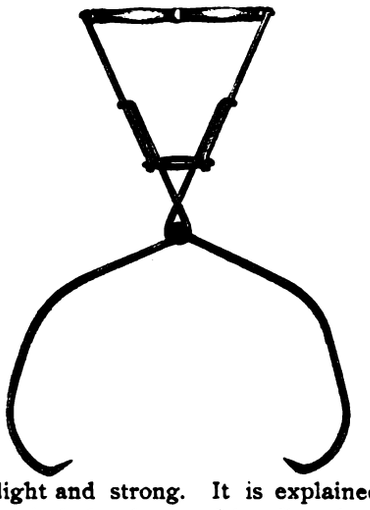
The accompanying illustration represents the features of one line of White Mountain Refrigerators, manufactured by the Maine Mfg. Co., Nashua, N. H. They are described as having double boxes, dead air space, patent trap, special non-conducting package, overlapping doors, galvanized ice racks, improved galvanized shelves, polished zinc lining throughout, and with no wood exposed in the interior. As shown in the cut, the bottom of the ice chamber and the waste pipe can be taken out, cleaned and replaced without



effort. The front base swings up to facilitate the handling of the drip pan, and the legs have casters which will not drop out. It is stated that double circulation is provided for; that the refrigerators are perfect food preservers with positive dryness; that they are economical in the use of ice, and that they are free from impure air. They are finished with bronze trimmings, artistic carvings, and are well finished.

Sure Grip Ice Tongs.

The cut herewith illustrates the Sure Grip Ice Tongs, offered by F. A. Herrick & Co., Jackson, Mich. They are made of tinned steel wire, which prevents rusting, and



makes them light and strong. It is explained that they are operated entirely by the wood handle; that by pressing down the jaws are opened, and that by pulling upward the points are closed firmly on the ice. The tongs are designed for family use, and the manufacturers state it is impossible to drop a piece of ice while carrying.

The Stimpson Computing Scales.

The Stimpson Computing Scale Co., Tecumseh, Mich., for whom W. H. Jacobus, No. 90 Chambers Street, New York, is agent, are offering Computing Scales, as illustrated herewith. The scales are finished in wine colored baked enamel, with all bearings of tool steel, pivoted, and with a leverage of 20 to 1. The Grocers' Scale, as shown here, has a seamless brass scoop, and is made with either marble or iron platform as desired. The tare beam and the frame of the upper beam are nickel plated. The poise and computing table of the upper beam are of aluminum. The lower beam is for tare and the upper one is the weighing and computing beam; this beam being pivoted at the ends so as to turn over and show the other side. The price per pound is given in the first column to the left on the poise, the prices on the side shown being from three to seventeen cents, and on the other side eighteen to forty cents. The weighing and computing capacity of the scale



is fifty pounds, and at one operation both the weight and money value of any quantity up to and including fifty pounds at any price ranging from three to forty cents per pound is instantly shown on the computing beam. By the use of the tare beam one hundred and twenty pounds can be weighed on the scale. The makers state that the scale possesses the following points of excellence: That both weight and money value are given by the movement of one

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poise; that the correct weight is shown to both buyer and seller; that in selling all articles such as butter, cheese, etc., which cannot be cut to exact weight asked for by the customer, the correct weight and money value of the article is given, and that the poise can be set at a given value and instantly shows the correct weight in pounds and ounces or it can be set at a given weight and will at once indicate the correct value as both weight and money value are given by the movement of one poise. They also make a Butchers Scale which embodies all the valuable features of the grocers scale described.

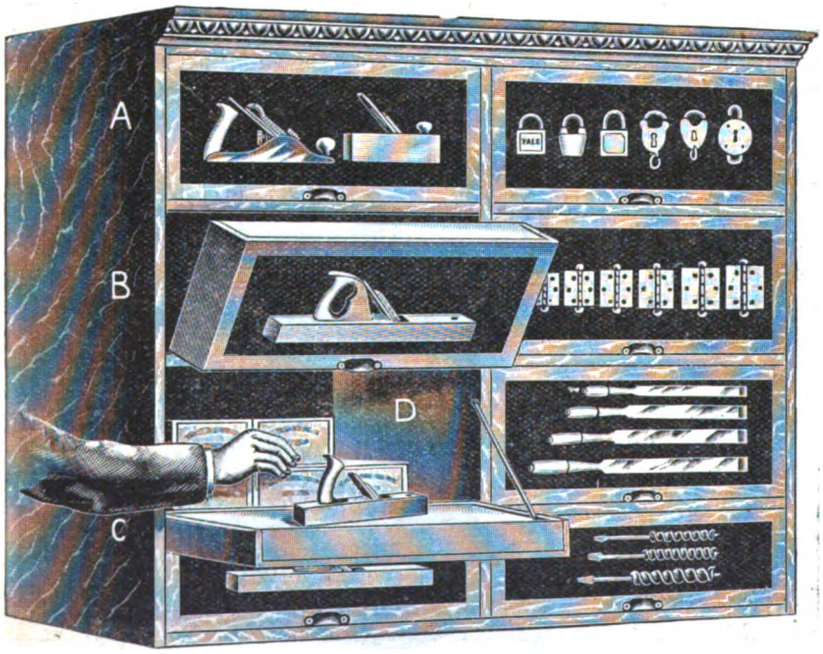
Calling Card Holder.

The A. J. Phillips Co., Fenton, Mich., are introducing a novelty in the shape of a Calling Card Holder, herewith illustrated. It is made of natural oak, finished with two coats of varnish, and is designed to be fastened to the front door by a round head nickel screw. The cut in the wood holds the cards. The makers say: "This is for callers to use when you or your wife are not 'at home.' Ladies do not have to 'hump over' and poke their cards under your door, but are enabled to maintain a dignified attitude while depositing their card, and depart feeling pleased that you were not at home, assured that their card will be well cared for and with a determination to have card holders on their doors if they can find out where they are sold." They list at $1.20 per dozen and are packed two dozen in a box.



Hardware Shelving.

The J. D. Warren Mfg. Co., Chicago, with branch office at No. 10 Warren Street, New York, have developed a principle of Hardware Shelving, as illustrated her , for the advantage of establishments that do both wholesaling and retailing, and who wish to utilize the display of samples in the retail room to sell their wholesale customers from. This is made possible, it is explained, by having every article sampled in the patent glass front drawer that is arranged in this new device. The drawer is partially drawn out and tilted down, thus forming a shelf on which to display the goods. It is held in place by an adjustable sliding hinge, a device of the company's. It is remarked that the shelving back of this is built sufficiently deep to carry in original packages all classes of goods such as hatchets, hammers, chisels, files, butts, etc. In addition to this feature of carrying original packages of goods back of the sample display tilting drawers, they have separate pigeon hole cabinets that slide in the space between the shelves so that each size chisel or file or any line of goods has a compartment by itself in which loose stock can be carried for the accommodation of either the retail or wholesale trade.



What the Clerks Want.

The Retail Grocers' Clerks Union of Utica, N. Y., asks the grocers to enter into the following agreement:

I, the undersigned, do hereby make the following agreement with the Retail Grocers' Clerks Union, No. 137:

First—All employes of my store shall be members of the above-mentioned union, except bookkeepers.

Second—A working day shall consist of 11 hours; Friday, 12 hours; Saturdays and the day before legal holidays to be excepted.

Third—Six working days to be considered a full week, and on holidays the working hours from 7 A. M. to 12 M. shall be considered a full day's work.

Fourth—Shortening of hours shall not be the cause of reduction of wages.

Fifth—All over-time to be paid at the rate of time and a half.

Sixth—Store to be opened at any time in the morning by the employer, but clerks to commence work at seven o'clock.

Seventh—I especially agree not to open my store on Sundays and after 12 M. on legal holidays for the sale of groceries. This shall not be construed to prohibit the sale of newspapers and candies.

Eighth—This agreement to go into effect on the first day of March, and to remain in force for one year.

How the men who are at the head of the retail trade and by dint of hard work and economy have risen from the position of clerk to that of proprietor will smile at such a bit of trades union tyranny as the above! The clerk who wants to win, to make his mark in the world, puts no limit on his time, nor bonds upon his employer. His business is to use all of his talent and power to further the best interests of the business so long as he is part thereof.

A young fellow entered one of our city banks as a clerk in a subordinate position. Everyone knows that promotions in a bank are usually very slow and are governed by position and length of service. This young chap soon found that his fellow clerks were crowding part of their work on him. Instead of resenting this, he did whatever they asked, and the more he did the more they required. The result was that he not only acquired mastery of the details of his own position, but a knowledge of the work of those holding other and higher places. He forged ahead and to-day occupies a place far in advance of the clerks who thought to impose on his inexperience and good nature.

The successful clerk will never lag behind his employer. If the store is opened at 6 A. M., the clerk who wants to get to the top will not put in an appearance at 7 A. M. and tie his employer to a signed agreement. It may be that the Utica grocers are willing to let the clerks run their business. If so, they lack the elements of leadership and never will rise to prominence in their calling. As a rule the successful grocer is the one who regulates the clerks.—*American Grocer.*

The excellent points made above, may find application in the Hardware store, as well as the grocery.

C. S. Wells, of the Syracuse racing team, wins time prize, smashing Pacific Coast record of the Associated Cycling Club's annual 25-mile road race, time 1:10 3-5. This race was run at San Leandro, Cal., on February 22d.

A bicycle tire of hollow rubber balls held in place by a channeled aluminum rim has made its appearance.

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BICYCLE ANNOUNCEMENTS FOR 1896.

We have received from the John P. Lovell Arms Co., Boston, Mass., their handsome cycle catalogue for 1896. On the cover is represented a large sparkling diamond, the rays being represented by silvery lines. On the first page is an engraving of John P. Lovell, the president of the company. The centres of the pages are designed to form diamonds and hearts, the trade marks of the Lovell Diamond and Lovell Special wheels. The company will offer fourteen models during the season of 1896. The company say: "But a very few years ago the possession of a bicycle and the pleasures of wheeling were possible only to the favored few, the price of wheels placing them beyond the reach of the masses. To-day all this is changed and a good mount is within the reach of everyone. But a comparatively short time ago the bicycle and bicycling was regarded by many as simply a fad, a craze, that would soon run its course, and the wheel become a thing of the past. 'The bicycle has come to stay,' is now heard on every side. It has demonstrated its practical utility, both as a means of healthful exercise and from a business standpoint. What has brought about this result? The reduction in price and the development of the wheel. It is with pardonable pride that we take to ourselves some considerable credit for the widespread use and recognized usefulness of the wheel. Our motto has always been, 'To lead and not to follow.' We took the initiative and were the first to offer to the public a really first-class wheel at a moderate figure. We divided our profit with those who wished to ride, and demonstrated that a good wheel could be sold for a reasonable price, and at a profit. We have spared neither time nor expense in studying the wants of the riding public, and to increase our facilities for manufacturing. That our efforts have been successful in this direction we think is amply attested to by the widespread and far-reaching fame of the Lovell Diamond. This year we offer to the public a larger and more complete line of wheels than ever before, all made in our own factories. Our line will comprise the Excel at $45, $55 and $75; the Lovell Special at $85, and the Lovell Diamond at $100, besides a combination and regular tandem at $140."

We have at hand the 1896 catalogue of the Iver Johnson's Arms & Cycle Works, Fitchburg, Mass. The company have departed from the usual methods of catalogue construction. The border of the front cover is in red covered with a leafy design. In the center is a herald mounted on one of the company's wheels, blowing his horn, to which is attached a red banner, bearing the following inscription: "A Long Established Cycle With a New Name." On page two is a handsome engraving of the factory at Fitchburg. The following appears on the succeeding page: "Ye Entertayning Historie of ye Iver Johnson Arms & Cycle Workes. Beying a conscise and true exposition of ye manifest excellence of such goods as they doe make for ye better comforte of the ryders of ye Hobby horse, together with a treatise upon ye durabilitie and ye economie of Iver Johnson Cycles, and manie Reasons why ye product of ye saide house is greatlie to be preferred to all others, and that these thinges may be ye better understood ye historie hath been moste plentifullie bedeckt with manie pictures at greate coste. Printyed at ye Towne of Fitchburgh in ye Yeare Ann. Dom. MDCCCXCVI." The company will offer nine models during the season of 1896.

The Bellis Cycle Co., Indianapolis, Ind., will carry four models during 1896. The company make a few remarks about wheels, as follows: "Did it ever strike you that there is no article in common use so delicate in its mechanism, which, considering present light weights, is called upon to perform so much service as the bicycle? It must, therefore, be evident that to do its work well, and all the time, the machine requires to possess the highest grade of materials and metals suitable to its various parts, and that each part, however small, must be reduced to mechanical accuracy by workmen skilled in their respective lines, and by the use of modern and expensive machinery. We have spared neither time nor expense to obtain the very best materials for Bellis wheels. We have all that is new in machinery and experienced mechanics who are old in the art of cycle building, in our factory. We are fully equipped in both material and facilities to supply our 1896 trade with high grade work only."

The line offered by Singer & Co., Ltd., Nos. 6 and 8 Berkeley Street, and No. 2 Warren avenue, Boston, Mass., offers a large range for choice, including, as it does, nine wheels, three tricycles, and one tricycle carrier. The company say: "The philosophy of trade forces prices to correspond with quality. No man can buy for a dollar that which is worth two dollars, nor can one man make for a dollar what another and older man cannot produce for twice as much money. There are prices and prices, and qualities and qualities, and every time they correspond. Our advice to buyers, whether they buy wash tubs or steamships, is to purchase of long-established houses with pronounced reputation. The manufacturer who has one price and maintains it gives positive evidence of the standard value of his goods. It is worth something to know what you are going to get."

The McElwaine-Richards Co., Indianapolis, Ind., manufacturers of the J. & R. changeable bicycle gear, say: "We are pleased to present our second annual catalogue of the 'J. & R.' changeable gear to all bicycle riders on the globe, with the regret that those who have left it will not have an opportunity to further enjoy the delight of a perfect two-speed gear. The great demand for our gears has encouraged us to keep apace with the improvements in common with all bicycle work, and we are now enabled to offer to our friends and patrons an improved 'J. & R." which is much lighter, neater, and even stronger and more durable than the old style."

We have received the following announcement from Farwell, Ozmun, Kirk & Co., St. Paul, Minn., in which the company say: "It is a pleasant task, indeed, to present to you this, our 1896 catalogue of bicycles and sundries. It is specially so from the fact that our experience in 1895 has confirmed, in a remarkable degree, our original choice and our purpose to make no changes in our line of wheels for the future. We will continue to be, during 1896, Northwestern distributers of the Syracuse and Crawford bicycles.' The company carry a full line of sundries.

The National Cycle Mfg. Co., Bay City, Mich., will offer four models for the coming season, including a tandem and a ladies' wheel. The company remark that "the proof of the pudding is in the eating of it. Our every effort has been to produce the best. We have no reason to change our policy. Success has been won easily and honestly. Riders who know what a bicycle is will always buy the best. Riders who have bought the National in past years will buy no other make. Our best pleasure is in their praise. They wanted the best."

The Slaymaker-Barry Co., Lancaster, Pa., for whom John H. Graham & Co., No. 113 Chambers Street, New York, are sole sales agents, are sending out their 1896 catalogue and price list of bicycle locks. The company manufacture sprocket locks, chain locks, bag locks, shackleless locks, wheel locks and chains. These articles are made of

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a variety of metals, including aluminum, brass, bronze, gun metal, steel and iron.

The Simmons Hardware Co., St. Louis, Mo., have issued their bicycle catalogue for 1896. The company handle the Eagle, Iver Johnson, Road King, Road Queen, Essex, Westminster, Delmar and Favorite wheels and carry a full line of accessories.

The National Cycle Mfg. Co., Bay City, Mich., are offering for 1896 four models: Model F, road wheel; model G, ladies' wheel, racer and tandem. The company say that "a fixture in our business policy since we began the manufacture of bicycles has been the purpose of building only the best and best improved bicycle that could be produced. Methods and demands have both changed, but the National is still made with that one purpose the first consideration of its production. It has won its way on that line. Much is expected, yes, demanded in a bicycle claimed to be pre-eminent. Materials, workmanship and finish must be of the finest for a bicycle to be considered even 'good.' Improvements, to be of value, must be simple in construction, practical in use. The intelligent rider is no longer influenced by the display of individuality unless it carries with it assurance of successful application. National improvements compel conviction of their value."

American Screw Co. List.

Under date of February 26, 1896, the American Screw Co., Providence, R. I., announce the following discount sheet, and call attention to the changes in discounts on Wood Screws, Drive Screws, Rivets, Hand Rail Screws and Pointed Wires. They also confirm the discount on Bay State Tire Bolts, adopted on the 30th ult.:

WOOD SCREWS.

	Description.	Disc't.
Iron.	Bright, Flat Head	87½%
"	" Round and Oval H'd	80%
"	Forged, Flat Head.	87½%
"	Drive.	87½&10%
"	Blued, Flat Head (add 5 per cent. to net amount of invoice)	87½%
"	Blued, Round Head	80%
"	Felloe, Flat Head	80%
"	Pinched Head.	80%
"	Japanned, Flat Head	80%
"	" Round Head	75%
"	Tinned, Flat Head	75%
"	" Round Head	70%
"	Lacquered, Flat Head	65%
"	" Round Head	60%
"	Bronzed, Flat Head	65%
"	" Round Head	60%
"	Brass Plated, Flat Head	65%
"	" Round Head	60%
"	Copper Plated, Flat Head	65%
"	" Round Head	60%
"	Nickel-Plated, Flat Head, Burnished.	75%
"	Nickel-Plated, Round H'd, Burnished	72½%
Iron.	Silver-Plated, Flat Head, Burnished	50%
"	Silver-Plated, Round H'd, Burnished	50%
Brass.	Flat Head	87½%
"	Round and Oval Head	80%
"	Lacquered, Flat Head	65%
"	" Round Head	60%
"	Bronzed, Flat Head	65%
"	" Round Head	60%
"	Silver-Plated, Flat Head, Burnished	50%
"	Silver Plated, R'd Head, Burnished	50%
"	Nickel-Plated, Flat Head	60-5&10%
"	Nickel-Plated, Rd. Hd.	60-5%
Copper.	Flat Head	65%
"	Round Head	60%
Bronze.	Flat Head.	80%
"	Round Head	75%
Phosphor Bronze.	Flat Head	60%
"	" Round Head	55%
For Export.	American List	85%

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days, delivery, f. o. b., wharf or depot in Providence. Freight paid, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

MISCELLANEOUS GOODS.

Description.	Disc't.
Machine Screws.	
Iron, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Brass, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Milled Machine Screws	
Cap Screws, for Locks, Iron, blued,	80%
Side Knob Screws, Iron, blued	80%
Taps, for Machine Screws	65%
Tire Bolts, Norway Phila	75%
" Eagle Philadelphia	80%
" Bay State	70%
Sleigh Shoe Bolts	80%
Stove Bolts, Flat Head	67½%
" Flat H'd, Annealed	67½%
" Round Head	67½%
" Nickel-Plated	
Stove Rods	67½%
Sink Bolts	67½%
Pointed Wires	70%
Tapped Nuts	
Coach Screws	80&5%

Description.	Disc't.
Rivets.	
Norway, Ordinary, in Bulk	70%
Coopers, "	70%
Thousand, "	70%
Thousand, in Papers	70%
Block and Carriage, in Papers of 100	70%
Hame	70%
Belt, with Burrs	70%
Norway Qual. Bay State Rivets.	70%
Soft Steel Rivets (3-16 and larger 1 inch and longer)	75%
Bay State	72½%
Burrs, for Rivets	70%
Hand Rail Screws	80%
Dowel Screws	80%
Winged Screws	80%
Standard Penny Wire Nails. Pittsburg prices.	
Dowel Pins, Barbed and Plain	
Miscellaneous Wire Nails. 1, 5 and 10 lb. packages	
25 and 50 lb. Packages and 100 lb. Kegs	
Special Goods	

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days, delivery f. o. b., wharf or depot in Providence. Freight paid, except on Wire Nails, on shipments of over 100 pounds, to principal cities on or east of Mississippi River, where the rate does not exceed 50 cents per 100 pounds. Discounts subject to change without notice.

SPECIAL NOTICE.

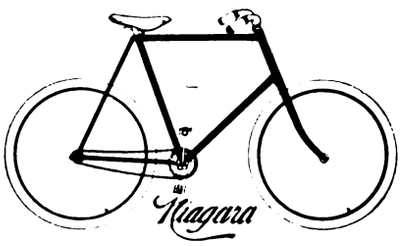
Changes have been made in the following Lists and Tables since the issue of our 1892 Catalogue; the revisions now in force bear the dates here specified:

Page 18	Iron Machine Screws	Date, Aug. 1, 1894
" 19	Brass Machine Screws	" Aug. 1, 1894
" 34	Iron Rivets in Bulk	" Nov. 1, 1894
" 35	Thousand Rivets	" Nov. 1, 1894
" 36	Block and Carriage Rivets, and Burrs	" Nov. 1, 1894
" 37	Hame, Coopers', and Trunk Rivets, and Belt Rivets and Burrs	" Nov. 1, 1894
" 45	Standard Penny Wire Nails	" July 19, 1895.

Printed sheets, for insertion in the Catalogue, will be furnished upon application.

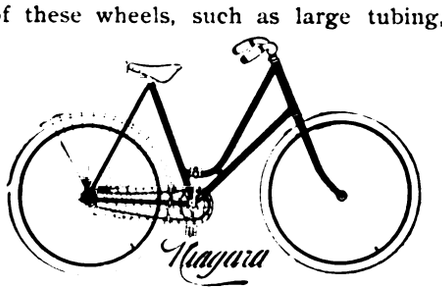
Buffalo Wheel Co.'s 1896 Line.

The Buffalo Wheel Co., makers of Niagara bicycles, are placing a fine line of wheels upon the market this season. The makers state that the characteristics of the Niagara,



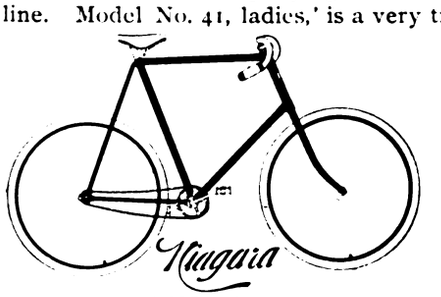
MODEL NO. 40.

"light, strong and speedy," will be as prominent as ever. All the latest ideas of any merit are embodied in the construction of these wheels, such as large tubing, tubular



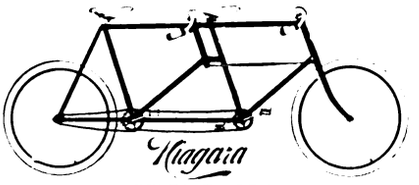
MODEL NO. 41.

hubs, right crank and shaft one piece, detachable front and rear sprockets, etc. The accompanying illustrations show the entire line. Model No. 41, ladies,' is a very trim look-



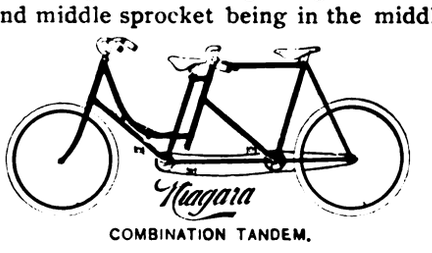
MODEL NO. 42.

ing wheel and has thorough dress protection. The company state that since they brought out the "Maid of the Mist" in 1892, they have had a large and growing trade in ladies'



GENTS' TANDEM.

wheels. Niagara tandems are first class in every respect. A new idea is brought out in the gearing of these machines, the front and middle sprocket being in the middle of the



COMBINATION TANDEM.

bracket and the tread is only 4½ inches. The entire line is finely finished and presents a most creditable appearance. Tandems list at $150, racer and special at $110 and roadster and ladies' at $100.

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ADVERTISING A RETAIL STOCK.---IV.

This department is conducted by an experienced advertising man. It will be devoted to questions of profitable publicity as especially related to the retail Hardwareman.

We desire to make it of practical benefit to the readers of "HARDWARE," and to that end invite you to ask any questions on advertising, make any suggestions, or send in your ads. for criticism. We will do our best to make the path of advertising easy for you.

There is one thing that every Hardwareman needs in the preparation of his advertising, and that is brains. He can use brains and lots of them in the way he gets his ads. together for the daily papers, and he can use brains and lots of them in inventing new and attractive ways in which to arrest the attention of the public, and get himself and his store talked about—for that, after all, is the first step towards an advertising success. Every man has in his make-up more or less originality, and this can be increased by exercise, for one idea breeds several.

There are many men who have used their inventive genius to good effect in the advertising of almost every conceivable object, but I know of no one in the Hardware field, or in any field akin to it, who has so clearly demonstrated the value of well conceived and well carried out ideas as H. C. Gara, of Gara, McGinley & Co., the Philadelphia roofers. His firm has become known all over the Quaker City, not only because of the fact that it is the only firm of roofers that advertise in the daily papers, but also because they are all the time doing some bright thing to attract attention.

Knowing this, and realizing that nothing has so much weight as a success already attained, I called on Mr. Gara the other day and got from him many ideas that he has used to good effect in times past, and which are applicable to any retail Hardware stock.

In the first place, Mr. Gara says things differently from the other people when he advertises. His style is crisp and unusual. He takes for his motto: "Say little but say it strong," and then does it. He takes advantage of the changes in the weather, and never fails to remind the public that his business is to "mend roofs." There is a point in that for the Hardware dealer. It will soon be house-cleaning time. Don't fail to let the housewives know that you have a good supply of tack hammers, screw drivers, tacks, window locks, bolts, etc., and if you can sell them at a price a little below the usual, so much the better, for it will attract attention and bring you trade in other lines. Try it.

But I started out to tell of the bright things Mr. Gara has done outside of the newspapers. He uses street cars and his ads. there are marvels of attractiveness. In the first place they are well printed. Then they are characteristically bright in their wording. Take these for example:

"Say a little, but say it strong."

WE DO ONE THING WELL
WE MEND ROOFS

Everywhere is Convenient to us.
Telephone Street Cars Walking
Roofers in Tin, Copper, Slate and Tile
Gara, McGinley & Co.
23 So. 17th St.

"Say a little, but say it strong"

WHEN YOU WANT US
YOU WANT US QUICK

Everywhere is Convenient to us.
Telephone Street Cars Walking
Roofers in Tin, Copper, Slate and Tile
Gara, McGinley & Co.
23 South 17th St.

"Say a little, but say it strong"

Hire a doctor for the body
Hire a roofer for the roof
We are roofers

Everywhere is Convenient to us.
Telephone Street Cars Walking,
Roofers in Tin, Copper, Slate and Tile
Gara, McGinley & Co.
23 South 17th St.

"Say a little, but say it strong"

We and the City Hall are in the centre of the TOWN

Everywhere is Convenient to us.
Telephone Street Cars Walking
Roofers in Tin, Copper, Slate and Tile
Gara, McGinley & Co.
23 South 17th St.

But for plans and ideas. Mr. Gara is full of these. He noticed one day that it would be a convenience if there were a memorandum pad on each telephone. So he prepared one and sent it, all ready to be stuck on the instrument, to every telephone user in Philadelphia. It is a little pad about two inches wide and four inches long, and on the top of each page where it is bound to be seen, but leaving enough room for memoranda below it, is one of these little unforgetable ads. of his; a different ad. on each page, running in series of twelve, starting out with this big, bold one, stating:

"Say a little, but say it strong"

We Mend Roofs

Everywhere is Convenient to us.
Telephone Street Cars....Walking
Roofers in Tin, Copper, Slate and Tile
Gara, McGinley & Co.
23 South 17th St.

There is no getting around that statement. It would be just as effective for the Hardwareman if it said "We sell Hardware," or the idea could be followed out thus:

We sell Hardware—
All kinds—every kind.
One price—the lowest.
Proof—tack hammers, 8c.

Another thing that Mr. Gara did at one time was to send out a lot of thermometers—about five thousand of them—with just a line or two at the bottom, giving the firm's name, their place of business, and the work they were prepared to do—"Mend roofs." "That," said Mr. Gara, "was done quite a while ago, but it is still a paying ad. People are always wanting to know how hot or how cold it is, and they cannot possibly look at our thermometers without seeing our name and business." That is an idea that any Hardwareman could adopt for himself with very little expense, and have a constant reminder of his store at the door-post of every home.

Last year Mr. Gara was looking about for something new and he got out a regularly drawn up subpœna, commanding the recipient to appear at their office and "testify to the truth of, under pain and penalty of suffering damage from Fall and Winter storms." That is an idea so possible of general application to almost any line of trade that it is unnecessary to show the readers of this journal how

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they could make use of it at very small expense to themselves.

Supreme Court

OF

Roofing.

GARA, McGINLEY & CO.

VS.

SUBPŒNA.

Filed October 1st, 1894.

AT

23 South Seventeenth Street,
Philadelphia, Pa.

City and County
of Philadelphia, ss:

Commonwealth of Penna.

You are hereby commanded (by all the power of this SUBPŒNA), That, laying aside all business and excuses whatsoever, you, and each of you, be and appear in your proper person before

GARA, McGINLEY & CO.

the Reliable Roof Repairers, at their place of business

23 South 17th Street

in the aforesaid City and County of Philadelphia, on and after the First day of October, A.D. 1894, from eight o'clock A. M. to five o'clock P. M., to testify to the truth of, and give evidence on behalf of said firm, charged with having stated that their claim of pre-eminence in their line, IS THE TRUTH, THE WHOLE TRUTH AND NOTHING BUT THE TRUTH, and you are then and there to leave your order to thoroughly overhaul the roofs, gutters, spouts, &c., on your property, and to put same in proper condition, and this you are in no wise to omit, under pain and penalty of suffering damage from Fall and Winter storms.

Given under our hand and seal this First day of October, A. D. 1894.

GARA, McGINLEY & CO.
23 South 17th St.

Witness.
E. X. PERIENCE.

The Gara, McGinley circulars are possibly not so applicable to Hardware, but as showing an irresistable style they are hard to be excelled. Take the last one they sent out. It lacks all the dry, prosy usualness of the ordinary circular, and starts out with the crisp statement, "We haven't a long story to tell. We have something we think you want," and ends with "We know what we have, and want you to know about it." It attracts by its very difference from the ordinary, and in that respect is to be considered by any one who thinks of circularizing his business home. "The circular," said Mr. Gara, "is only a good advertisement when you can send it by mail or in some other way so as to get it into the hands of the people you are trying to reach at a time when they will read it."

But I must not forget to mention Mr. Gara's last booklet. He calls it "Pointed Suggestions," and he has already distributed several thousands of them. It is attractively and daintily gotten up, and is full of pictures illustrative of the comfort of a mended roof in comparison to the unmended one, and the several phases of roof mending. It has, besides, several illustrations of the beauty of the metal work done by them, which is another branch of the firm's business, and a very prosperous one, too, I should judge from the looks of the mail Mr. Gara receives every morning about it.

Mr. Gara showed me many other ideas of his, which, as they are not so directly concerned with the purpose of this article, I am forced to omit, as well as a unique system of book-keeping, but that is outside my province as well.

I asked him as I was leaving if he thought there was any business that could not be advertised?

"I don't know of any."

"How about Hardware?"

"Well," said Mr. Gara, "Hardware is pretty near me, as there is a tinker's shop in nearly every Hardware store. I believe Hardware can be advertised as well as anything else. The Hardwareman who begins to advertise now would have the same advantage in most places that I have here—that of being the only man in his line in the place who did advertise—and there can be no doubt that he would reap greater results from the expenditure of his money than would otherwise be the case. I know that if I had a Hardware store I should advertise it."

Such words coming from so successful an experimenter in an hitherto untried field, are an added confirmation of all that I have said in these columns.

ARTHUR B. CHIVERS.

The Zenith Cycle Saddle Co., Disston Building, Philadelphia, show upon page 56 of this issue, their well-known and successful Zenith Cycle Saddle, of the 1896 model. They explain that it is built upon a new principle, will not sag, can be made hard or soft in one minute without removing it from the wheel, and light, strong and comfortable. They also make a special steel racing saddle. Full information in regard to their line will be sent upon application.

The New York Exhaust & Blow Pipe Co., Hartford, Conn., have furnished and erected for the Premier Cycle Mfg. Co., Bridgeport, Conn., an exhaust system, for removing the grit, rouge and lint from their polishing and buffing rooms. They also installed a system for removing the smoke and flumes from the forges and brazing fires. They do an extensive business in this line. The New York office is at No. 136 Liberty Street.

In response to our inquiry as to the manufacturer of a sweet potato hoe, a correspondent sends the address of E. S. & F. Bateman, Grenlock, N. J., who sell to the Eastern trade. In answer to another question, as to some firm that make a specialty of fitting up woodwork for Hardware stores, he sends us the name of the J. D. Warren Mfg. Co., Nos. 152-158 Marine Building, Chicago, and No. 271 Broadway, New York.

On page 2 of this issue the Akron Spirit Level Works, Akron, Ohio, show an illustration of their Akron Spirit Level, which, they state, is "winning favor every day." It certainly has made its way upon the market with no small degree of success. They speak in the most positive terms concerning its price, quality, trimmings, etc. The makers will be pleased to send catalogue and prices upon application.

The Smith & Egge Mfg. Co., Bridgeport, Conn., feel that they have a good thing in their new "Yankee" rat and mouse trap and are accordingly booming it to a great extent. They report considerably more rush in their factory than this time last year.

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RECENT TRADE PUBLICATIONS.

Sickels, Sweet & Lyon, No. 35 Barclay Street and No. 40 Park Place, New York, have issued the 1896 spring edition No. 11 of their catalogue. The firm are the New York agents for Withington & Cooley Mfg. Co.'s garden tools, Union Steel Co.'s screws, American Shear Co.'s pocket knives; Popular, Perfection, Hercules and New Easy lawn mowers; adjustable bolt shears and scissors, Eagle File Co.'s files and horse rasps, the Samuel Winslow Skate Mfg. Co.'s ice skates, Stearns' scythe snaths, Simond's Crescent Ground cross-cut saws, Cortland Door & Window Screen Co., and Relay bicycles. The firm say: "This catalogue is not intended to represent our full line, but is issued every spring, with a supplement in the fall, more especially to call attention to seasonable goods, our specialties, and lines for which we are New York agents. We solicit, as heretofore, your correspondence for general Hardware, etc. We are also pleased to buy for our customers any goods that can be purchased in this, the greatest market of the country—in order that their purchases may be condensed and shipment of various items made together, thus saving expense and trouble. In addition to the large line of goods made especially for us, or for which we are New York agents, we sell, at manufacturers' prices, the various productions of Sargent & Co., Russell & Erwin Mfg. Co., E. C. Stearns & Co., Stuart's Window & Door Screen Frames, Stanley Works, Stanley Rule & Level Co., White Mountain Ice Cream Freezer Co., Bradley & Smith Brushes, the Illinois Pure Aluminum Co., Pure Aluminum Cooking Utensils; North Bros. Mfg. Co., Lightning and Gem Freezers; Peck, Stow & Wilcox Co., Atha Tool Co., American Axe & Tool Co., Hartman Mfg. Co., Hartman Wire Fence; Plumb, Burdict & Barnard; Winsted Edge Tool Co., Witherby Chisels; Oliver Ames & Sons Corporations, Lalance & Grosjean Mfg. Co., St. Louis Stamping Co., Shelton Co.; R. E. Dietz Co., Tubular Lanterns; Van Wagoner & Williams Hardware Co., Central Stamping Co., Iron Clad Mfg. Co., Nicholson File Co.; Landers, Frary & Clark; Henry Disston & Sons, National Saw Co., Enterprise Mfg. Co., the importations of Hermann Boker & Co. and Wiebusch & Hilger."

The Smith & Egge Mfg. Co., Bridgeport, Conn., have gotten out their 1896 catalogue of plumbers' specialties. The following articles are illustrated: Sanitary and plumbers' chains; basin, bath and tray chains; closet pulls, pipe straps, eight hooks and split links. The company also manufacture the following patented specialties: "Giant" metal sash chains, "Red Metal" and steel sash chains, sash pulleys and fixtures, padlocks, bicycle sundries, cable chains, Eureka shears, drill chucks, buttonhole attachments and rat and mouse traps. The company say: "In offering the plumbing trade our 1896 catalogue, we wish especially to direct attention to our line of closet pulls in enameled, stained and natural woods. These pulls are of all grades, the price depending on the finish, but the quality of the goods will be found first-class in all respects. We make a specialty of fitting up the pulls with chains and necessary eight hooks so that they are ready for use. The uniform quality of our chains is so well known to the trade that comment is unnecessary and every endeavor will be made to keep up to our present standard. Our line of single and double pipe straps fit all the sizes of pipe in ordinary use among the trade and the workmanship and finish on all is unexcelled."

Under the caption of "Two Treasures," represented by a little baby girl and a No. 1 burner, the Clayton & Lambert Mfg. Co., Ypsilanti, Mich., issue a catalogue and price list of their fire pots and torches for plumbers, tinners, galvanized iron workers and painters. The company say with reference to their tailors' or laundry fires: "It is hardly necessary to say that the fires made for the above trades have proven a success. It is one of our maxims, 'Be sure you are right then go ahead.' We never experiment at our customers' expense. The No. 2 tailors' or laundry fire will heat eight 24-pound irons as fast as eight men can use them. The No. 1 is half the size of No. 2 and is large enough for a shop employing six men. We fit the two sizes with extra strong tanks and with a brass air pump and pressure gauge and it is intended that 25 to 35 pounds air pressure be used. When fitted as described very little attention is needed and we warrant them to please." The catalogue also shows the double cinch hose band and mender.

Alfred Field & Co., No. 93 Chambers Street, New York, have gotten out a Cutlery price list of Joseph Rodgers & Sons. The articles listed include erasers, tweezers, button hooks, nail files and cleaners, pen and pocket knives, razors, scissors, knives and forks, knives only, forks only, ivory table knives, pearl table knives, fruit knives, fish eating knives, orange and lemon knives, cheese scoops, carvers, ivory carvers, pearl carvers, table steels, ivory steels, pearl steels, cooks' knives, cook's forks, slicers, bread knives, butcher knives, potato knives, cotton knives, shoe knives, farriers' knives, daggers, bowie knives, oyster knives, can openers, knife sharpeners, corkscrews, nail nippers, razor strops, razors in cases, razor cases, cutlery cases, scissors in cases, carvers in cases, razor paste, fixed handle corn knives, guards for forks, etc.

Merchant & Co., Philadelphia, New York and Chicago, manufacturers of high grade roofing materials, have gotten up a most artistic and attractive catalogue. The paper is of a special quality and its leaves are enriched with a number of views in imitation of water colors, some of them worthy of a frame. The views include "Castles in Spain," Five Santa Barbara (Cal.) Cottages, Colorado Building World's Fair, Hollenback Home, Los Angeles, Cal., Princeton Inn, Haddon Hall, Atlantic City, First Baptist Church, Gouverneur, N.Y.; New York Harbor, J. E. Pepper's Residence, and the company's factory. The view of New York Harbor is especially worthy of mention.

The Standard Horse Shoe Co., Boston, Mass., have issued their 1896 catalogue. The company make the following announcement: "In the past six months we have torn out all the old machines and furnaces in our factory, and have replaced them with the most modern machinery and furnaces, all of which are operated by the most skillful workmen in the country." The catalogue contains pictures of the famous pacers and trotters, including John R. Gentry, Robert J., Mascot, Joe Patchen, Alix, Nancy Hanks, Directum and others. It also contains tables showing the weight of the different styles of shoes.

The Howard Iron Works, Buffalo, N. Y., have issued a neat little illustrated price list of their Bench Vises. In a note of introduction they say: "The vises manufactured by the Howard Iron Works are noted for their great strength, durability, and their excellent construction. The malleable cast iron nut of the vise is rendered immovable by being set in molten iron, thereby doubling the durability of both nut and screw, for they are saved from the destructive grinding, cutting and binding action of the cross-strain, which has always been a great evil heretofore. Another improvement is the chilling of those parts of the

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slide sheath, that come in contact with the slide, thereby avoiding much friction in its movement. Many additional and important improvements have also been made in our Swivel Vise. There is great strength in its circular base, so that its side parts may be employed for light anvil uses. The vise is held fast to bench by a very simple cam arrangement, holding it so firmly that the combined force of several men exerted upon the vise cannot move it from position; and yet so convenient is the arrangement that this great power is instantly removed and applied. The seat of the swivel is slightly concave, so that it shall rest upon the circumference of its base."

Graef & Hess, No. 82 Lake Street, Chicago, are distributing a unique catalogue. The cover is designed to represent California red wood, and is finished in the rough. The company are direct representatives of Hardware manufacturers. They say: "In issuing this book we intend it only as an introduction to the several lines we represent, calling attention only to the leading goods."

We have received from the Wilcox Mfg. Co., Aurora, Ill., a neat catalogue of their door hangers and Hardware specialties. Their line is fully illustrated.

Snow Shoe Irons.

The illustrations here shown are of the Snow Shoe Irons, manufactured by Berger Bros., Philadelphia. They were designed to be used without a snow rail, if spaced reasonably close together. However, when a rail is preferred it can be bolted to these irons, which make very neat fasten-



FIG. 1.

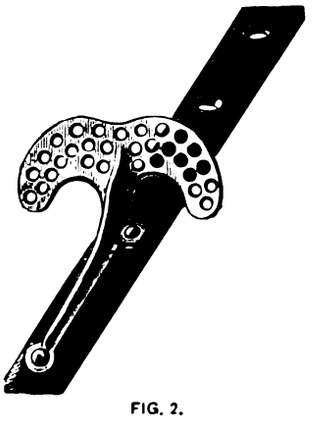


FIG. 2.

ers for it. The one shown in Fig. 1 is made to be clamped to the standing seams of metal roof, the lugs clinching through the seams. That shown in Fig. 2 is intended for slate roofs, and is made to be riveted to wrought iron plates, which extend up under the slate. They are made of the best malleable iron, are well tinned to prevent corrosion, and are very easily put in place. They are also patented. The manufacturers, Berger Bros., Philadelphia, will send a valuable and well illustrated catalogue to all who apply for it.

Worcester Made Tools.

Worcester made machine tools have a world-wide fame for variety and excellence, and the city's production of these is so entensive that it has become one of the greatest, if not the greatest, centre for their manufacture in the country. A gentleman from Paris, visiting in Worcester this week, made the statement that the French artisan much prefers the American made lathe and drill to any made elsewhere.

The local machine tool business is at present, and in the main, prosperous, and much of this prosperity is the result of the foreign demand. Worcester made lathes, engine lathes, drills and milling machines are sent direct to almost every country in Europe, Mexico and South America. The machines for export have to be carefully boxed and packed, and those sent to South America have to be put in cases or packages that must not exceed 300 pounds in weight, for the reason that most of the packages have to be transported on pack mules into the interior of the different countries.

Worcester made machine tools, to a large extent, find their way into the mines of the country, no matter how remote they may be. The export trade is continuous and promises to be of great importance in the not distant future.—*Worcester* (Mass.) *Gazette*.

A Range Reunion.

The annual reunion of the general and division superintendents of the Wrought Iron Range Co. took place some evenings since at the Planter's Hotel, St. Louis. Representatives of the concern from all parts of the United States and Canada went to St. Louis to greet their employers and brother workers. All of the reports received were favorable. W. W. Culver, Sr., acted as toastmaster, assisted by H. H. Culver, Jr. By special invitation Mayor Cyrus P. Walbridge attended. He was the first speaker. He gave the visitors a hearty welcome, and one of them in responding assured him of the support of their brother workers if he he were nominated for Governor. He smiled, but made no response. Nearly every one of the forty gentlemen present had something to say. They were a fine looking body of men, and as some one put it, were "polished orators." Some time in the future there will be a reunion of all of the salesmen of the concern, numbering six hundred.

A Sycamore Legend.

Listen, pale-face, to this legend,
How it was the Crimson button,
Came to be the ruling fashion,
On the earth where pants are worn,
When the Injun was a savage,
Showed his bare legs like a Scotchman
Posing in the "altogether"
On his tawny underpinning,
Buttons were to him unknown;
Never put on a suspender.
So it was until the cycle
Came to charm him from his customs,
Customs older than tradition;
Then he had to don the trousers,
Had to sew upon them buttons,
Buttons strong as iron rivets,
Buttons to resist the straining.
Buttons crimson in their color,
Symbols of a mighty power,
Everyone it marked a blood spot,
Symbol of the Injun's prowess.
"Button, button, Crimson button,
Who has got it, who has got it?"
Is the game the world is playing;
Old and young have caught the fever,
Buttons going by the million,
Injun on the edge that's ragged,
Thinks that he may lose his trousers,
May be forced to go in bare legs,
As he did when he was a savage,
What a pity to disgrace him.
Spare him, spare him, Honest Injun!

SYCAMORE.

The Western Electric Co. of Chicago have just perfected a fire protection device which is attracting much attention among property owners and underwriters. The device is one for the automatic closing of iron doors in a building in case of fire. By this method the doors are held open by magnets, and in case of fire a button is pressed, the power of the magnets destroyed, and the door closed by counter weights. Experiments are being made by the company with an automatic adjustment which will release the doors from the magnets at a certain temperature, and greatly lessen the chances of fire spreading from room to room or even from one building to another.

Merrill Watson, the manager of the New York branch of the Central Expanded Metal Co., Pittsburg, Pa., has removed his office from No. 107 Chambers Street to No. 256 Broadway.

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SECOND ANNUAL SPORTSMEN'S EXPOSITION.

The Sportsmen's Exposition which will open at the Madison Square Garden on March 16th and continue until March 21st, will be the second of its kind held in this city under the auspices of the Sportsmen's Association. Readers will readily recall the great success that attended the Exposition as a new undertaking last May, and with the prestige of this former triumph, the projectors of the enterprise expect to reap new laurels. Many manufacturers have already applied for and have been allotted exhibition spaces and are making more preparation for attractive displays than heretofore. Harry C. Palmer, the genial secretary, is doing all in his power to make the show an unqualified success. We give, as far as possible, a brief advance summary of the individual exhibits:

HERMANN BOKER & CO.

Hermann Boker & Co., Nos. 101 and 103 Duane Street, New York, will have two spaces at the show. In one space they will show the Spencer repeating shotgun in three styles, grade E, model 1896, fine twist barrels; grade C, model 1890, fine Damascus barrels and a special trap gun, one of the first turned out for this purpose in the repeating shotgun line. These are made with detachable barrels and flat rib on barrel. Furthermore, they will show the Hollenbeck hammerless gun manufactured by the Syracuse Arms Co., of Syracuse, N. Y. There will be several grades shown, the two main grades being O, plain frame, twist barrels; No. 2 with fine grade stock and fine Damascus barrels. The company also intend showing the Mannlicher repeating rifle, the high power sporting rifle of the period, 8 mm. or .315 cal. in three grades. The No. 1 with round barrel, flat matted rib; No. 2, octagon barrel; No. 3, carbine. These rifles are new, and have never before been shown. The range as per Government statistics is 3000 yards and penetration with full mantled bullet 50 inches of pine.

E. I. DU PONT DE NEMOURS & CO.

E. I. Du Pont de Nemours & Co., Wilmington, Del., will occupy the same space as last year, and the arrangements have been carried out with regard to making a tasteful display. The rear of the space will be filled by a cabinet lined with plate glass and embellished with gilt and scarlet. The color of the case is a rich cream, which will serve as an excellent ground for the coloring. In the upper part of the cabinet will be three openings, those on each side holding a beautiful group of empty packages, in the most varied styles. These will show very well the numerous kinds of powder manufactured by this old established house. The background of looking glass will add to the appearance of the bright painted kegs and canisters and show by reflection the rear of the packages. The centre of the niche of the cabinet is to be devoted to the magnificent trophy lately won, and still held by Fred Gilbert, of Spirit Lake, Iowa. This trophy was won by him at the World's Championship Du Pont Smokeless Powder Tournament, given in Baltimore, 1895. The background of this niche will extend to the floor, and the mirrors form a proper setting to this splendid work of the silversmith's art. On the left side of the space will be a hexagonal space containing three shelves. Upon the upper one of these will be a centre piece composed of alternate sticks of willow wood and the charcoal made therefrom. A glance at this will show the fine quality of the material used. Surrounding this in neat glasses will be arranged the various black sporting powders, O.T.P., Fg., FFg., FFFg., Eagle Ducking, all of which are too well-known to need description. V.G.P. is a clean moist strong shooting powder well suited to trap shooting. Choke Bore is a powder especially prepared with great care for choke bore guns. The middle shelf will contain gun cotton and the various smokeless powders. The gun cotton exhibited will comprise samples of the United States Service gun cotton, as well as that used for the manufacture of smokeless powder and for other explosives. Smokeless Powders: The samples of these that are to be shown are for shotguns, No. 1 rifle, well suited to the heavier sporting rifles which use a lead ball. No. 2 rifle is for the lighter rifles and for pistols and revolvers. No. 3 is for gallery rifles only. Powder for the new .30 cal. Army rifle, as well as for the Navy .236, will be shown, and of different kinds. Here also will be seen smokeless powders of various forms for the heavy guns; powder for the 5-inch, 6-inch and 8-inch B. L. rifles and also for the field guns. Upon the lower shelf will be shown brown prismatic powder for all the large calibre rifles, both Army and Navy; also hexagonal and sphero-hexagonal; also the celebrated blasting powders made by Messrs. Du Pont, A. blasting in the sizes C, F, FF. FFF and FFFF, and the B. blasting in the sizes CCC, CC, C, F, FF, FFF, FFFF.

CUSHMAN & DENISON.

Cushman & Denison, No. 172 Ninth Avenue, New York, will exhibit their well-known Perfect Pocket oilers, Star oilers and Perfect wrench. The company's goods have been adopted by many of the leading bicycle manufacturers, so need no lengthy description.

THE MARLIN FIRE ARMS CO.

The Marlin Fire Arms Co., New Haven, Conn., will show the various Marlin rifles from model 1891, including the model 1895, which is the last model, for the heavy calibres. Their revolvers will also be displayed. The company say that their exhibit will illustrate the possibilities of fine work in rifles. Sights, rust repeller and other sundries will be shown.

AMERICAN "E. C." POWDER CO., LTD.

The exhibit made by the American "E. C." Powder Co., Ltd., Oakland, N. J., will consist of a large pyramid composed of a number of sample bottles containing the different sorts of smokeless powder manufactured by the company. The shotgun, rifle and revolver powders being each of different colors, will make a very effective display. Dummy samples of gun cotton as made by the company will also be displayed.

THE HUNTER ARMS CO.

The Hunter Arms Co., Fulton, N. Y., will show in a magnificent oak case, made for the purpose of this exhibit, a number of strictly high grade guns in every particular, ranging in price all the way up to $500.00. The company remark that their "A-3 model, $500.00 grade Smith automatic ejector is pronounced by many of the sportsmen throughout the country to be the finest piece of gun making that has ever been seen."

There will be in attendance W. Fred Quimby, Harvey McMurchy, Thos. Hunter, the manager of the company, Wm. Hunter, and Robert Hunter.

VON LENGERKE & DETMOLD.

Von Lengerke & Detmold, No. 8 Murray Street, New York, will display Schultze smokeless shotgun powder in various stages of manufacture. This powder, the company state, "is the oldest and most widely used nitro compound sporting powder in the world." The exhibit will include samples of the wood from which the pulp is made, the pulp in a crude and a purified state, the nitrated cellulose, and the graining, hardening and waterproofing processes, and the finished powder. It also shows in what shape the powder is packed, together with other interest-

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ing and educational points and features. Francotte guns from the highest grade to the lowest and lightest to regular heavy weights manufactured, as well as special guns of various kinds will be shown, together with a full line of fine hand-made fishing tackle, including rods, reels, lines, leaders, flies, artificial baits, etc.; ammunition, the loading and testing tools and instruments used by Von Lengerke & Detmold; the Lu-mi-num, an aluminum bicycle, and a motor bicycle in operation, "the only motor wheel which has so far proved a practical success in Europe and is to be introduced and manufactured here."

THE TIE CO.

The Tie Co., Unadilla, N. Y., will show adaptations of the "Holdfast" for sportsmen's tent and hammock combined, fish stringers, fish basket carriers, game hangers, luggage carriers and many other adaptations for various purposes.

THE UNION METALLIC CARTRIDGE CO.

The exhibit of the Union Metallic Cartridge Co. Bridgeport, Conn., will conform in its general features with the handsome display made at the last show. In the middle of the exhibit will stand an octagon-shaped base from which will arise four slender pillars, which in turn will support a crown-shaped top. The whole will be constructed of ebonized wood decorated in gold. Within the case thus formed will be an eight-sided column which gradually tapers toward the top. On the sides of this column will be arranged the products of the Bridgeport company, consisting of all the newest wads, primers, shells, cartridges, etc. At one end of the exhibit will be a three-pounder Hotchkiss gun with ammunition, and at the other end an ebonized table filled with samples of the arms used by different governments of the world.

IVER JOHNSON'S ARMS & CYCLE WORKS.

The Iver Johnson's Arms & Cycle Works, Fitchburg, Mass., will exhibit in spaces 85 and 86. Their stands will be fitted up with railings, carpets, electric signs, fancy show cases, etc. They will exhibit a full line of Iver Johnson automatic hammer and hammerless revolvers, Boston bulldog revolvers, American bulldog revolvers, Defender single action pistols, Champion shotguns, and Iver Johnson and Fitchburg cycles. Mr. Fred. I. Johnson will be in charge of the exhibit with able assistants. The Iver Johnson's Arms & Cycle Works have been established since 1871.

W. H. MULLINS.

W. H. Mullins, Salem, Ohio, will display his "Get There" ducking boat and double ender pleasure boat, and will show aluminum and manganese bronze boats of each.

THE LAFLIN & RAND POWDER CO.

The Laflin & Rand Powder Co., No. 99 Cedar Street, New York, will show a model of a powder mill in operation, which, from its novelty at least, will doubtless prove of much interest. A description of the operation of the mills will be distributed, enabling the observer to understand their working. There will also be shown samples of the various grades of gunpowder made by the company, comprising mining, blasting and sporting powder in the several sizes of grains, as well as the ingredients used in the manufacture. The familiar packages in which the product of the company is marketed, will also be exhibited and will be readily recognized.

THE CLEVELAND TARGET CO.

The Cleveland Target Co., Cleveland, Ohio, will have on exhibition a full line of traps, electric pulls and Blue Rock targets, and will also exhibit an entirely new and novel automatic magazine target trap. The company state that the new trap is a perfect working machine and will throw targets so rapidly that one trap and one trapper take the place of five ordinary traps and five trappers, under the system now in use. They explain that the trap is constructed on mechanical principles and in the best possible manner, and will stand a large amount of use and abuse. It is destined, in their opinion, to revolutionize the present method of target shooting.

PARKER BROS.

Parker Bros., Meriden, Conn., will exhibit in cases about one hundred and twenty-five of their well-known guns, including hammer and hammerless, in the different bores.

TATHAM & BROS.

Tatham & Bros., No. 82 Beekman Street, New York, manufacturers of shot and lead, will display a variety of samples. Their principal exhibit will consist of a glass and silver tower about eight feet high, containing samples of shot arranged to show the uniformity of the pellets in the various sizes, the largest being placed at the bottom. The tower will be octagon in shape and will show to advantage the beautiful polish and regularity of the shot.

SAVAGE REPEATING ARMS CO.

The Savage Repeating Arms Co., Utica, N. Y., will exhibit Savage smokeless powder and Savage smokeless powder rifles, sporting and military. The company say: "The many prominent advantages of smokeless powder are so obvious that it is unnecessary to urge its utility with sportsmen. The exhibit of a rifle with the absence of smoke with long range, flat trajectory, high velocity, great penetration, light weight, and less recoil than comes with the use of black powder rifles, we think the exhibit will prove of interest to the public." They further say that "the Savage rifle is the first hammerless magazine sporting rifle ever built to use smokeless powder, and the sportsmen are welcoming it as a rifle that meets a long felt want, for less weight and increased powder. The company will also exhibit cartridges, reloading tools and sundries and also a duplicate of the Savage Military rifle recently entered in the test before the Board of Examiners to select improved arms for the State of New York."

OVERMAN WHEEL CO.

The display of the Overman Wheel Co., Chicopee Falls, Mass., will consist of cycles, cycle sundries and athletic goods; the first and the last will occupy by far the larger space. Their exhibit of athletic goods will be pre-eminently a manufacturers' display. They will aim to show the material and workmanship of their goods as well as completed product, the purpose seeming to be to give a customer confidence in the honesty of the make-up of athletic goods bearing the Victor stamp. There will be an abundance of finished products also open to the closest inspection of the public. Visitors are invited to step up among the tables and cases containing goods and to examine the products displayed. A novel and pleasing feature of the athletic goods exhibit will be the actual manufacture of baseballs, tennis balls and tennis rackets by expert workers from the factory. Last year this exhibit attracted hundreds. This year it will have lost none of its freshness and interest for the public.

The stockholders of the Stanley Works, New Britain, Conn., recently held their annual meeting and elected the following directors: William H. Hart, Peter McCartee, of New York; A. Chamberlain, of Meriden; C. P. Gross, of Waterbury; L. H. Pease, Frederick N. Stanley, Geo. P. Hart, Edward N. Stanley. The directors elected the following officers: President and treasurer, W. H. Hart; vice-president, Peter McCartee; secretary, L. H. Pease; assistant manager, George P. Hart; auditor, H. D. Humphrey.

The Salem Wire Nail Co., Salem, Ohio, New York branch No. 277 Broadway, have gotten up a unique envelope opener. It is made from a sixty-penny wire nail, drawn out, forged and polished.

HARDWARE'S "Prices Current" are reliable.

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Warren's New Screw Cases.

The accompanying illustrations represent Warren's New System Screw Cases and introduced by the Warren Mfg. Co , Nos. 152 to 158 Lake Street, Chicago, adapted for use

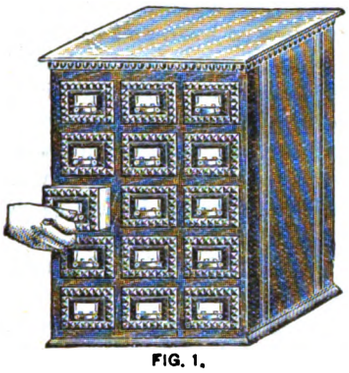


FIG. 1.

in Hardware stores. These cases are new, represent all the latest improvements which up to date goods command. The manufacturers state that they are strongly built, handsomely finished with antique oak ornamental drawers

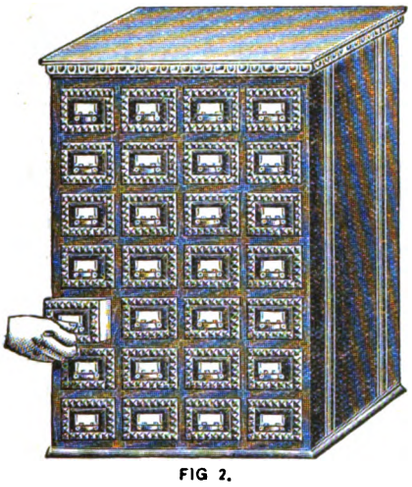


FIG 2.

with brass pull and brass card frame, each drawer containing two movable partitions and three spaces, and has a label holder in which the number and size of the contents can be printed. The drawers are made with a circular bottom so that the contents roll to the centre. The partitions in each

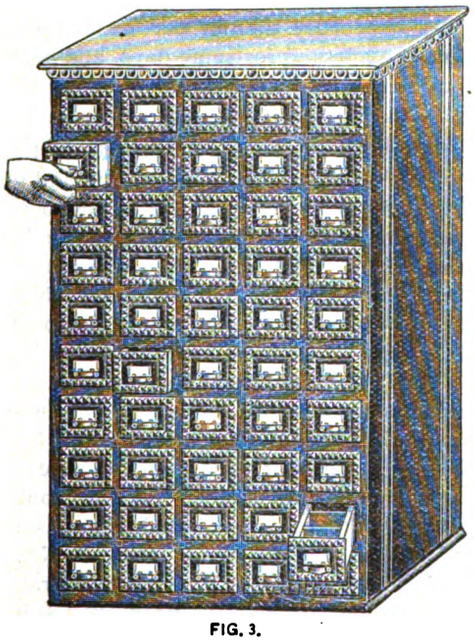


FIG. 3.

drawer are movable, thus permitting of the lengthening to any space desired. Any of these cases, it is explained, can also be used for all small articles such as rivets, stove bolts, bright wire goods, reamers, countersinks, bits, files, etc. The cases can be used for many kinds of goods; by removing the partitions a space over 13 inches long inside, by 2¾ inches wide and 2¼ inches deep, is made. Fig. 1 represents No. 1240, is 15 inches wide, 15 inches deep, 18 inches high; containing 15 drawers, with 45 spaces. Fig.

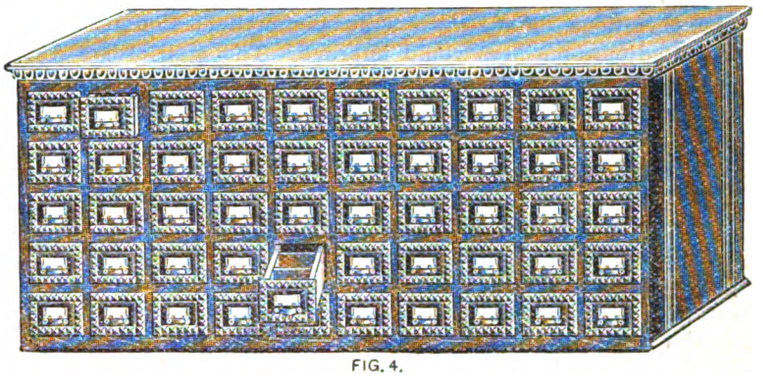
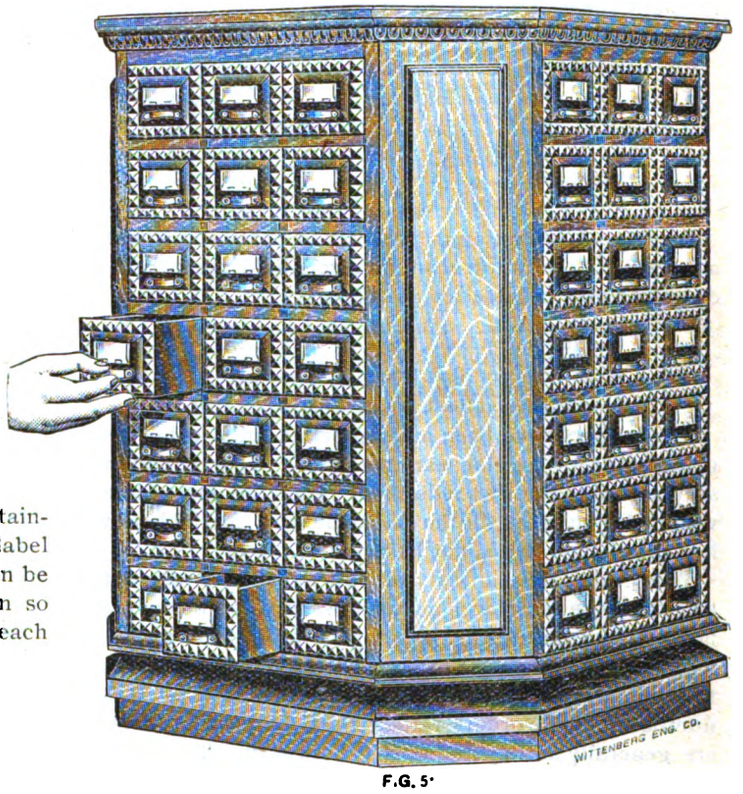


FIG. 4.

2 is No. 1242, which is 20 inches wide, 15 inches deep, 25 inches high; containing 28 drawers, with 84 spaces. Fig. 3 represents No. 1244, which is 24 inches wide, 15 inches deep, 35 inches high; containing 50 drawers, with 150



F.G. 5.

spaces. Fig. 4 is the No. 1246, and is 45 inches wide, 15 inches deep, 19 inches high; containing 50 drawers and 150 spaces. Fig. 5 is No. 1250 revolving octagon screw case and is 22 inches in diameter, 28 inches high and contains 84 drawers and 160 spaces. Other sizes are made to order, and can be shipped anywhere in the United States safely and at low rates. Fig. 6 shows a drawer in detail. The

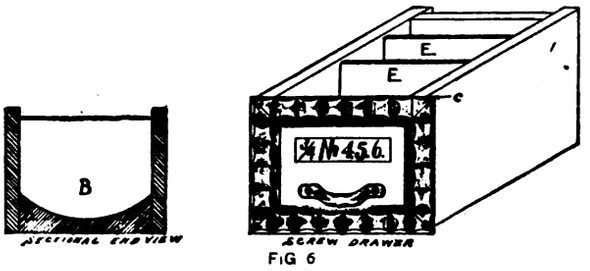


FIG 6

manufacturers state that they have been diligently at work for the last year experimenting and testing at their factory a new method and principle of providing Hardware store shelving, various devices and cabinets for a neat and convenient way of carrying stock as well as the auxiliaries that go with the tin shop and stove department.

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Review of the Markets.

Hardware: There is a difference of opinion as to February business; some are willing to accept anything as an encouragement, while others say business did not come up to expectations. Some express the opinion that if Congress would adjourn business would improve. The mail orders are more numerous than those received from traveling men, and are of a well distributed character, indicating that the trade are buying to cover the requirements, and are not doing much in a stocking up way. Collections are only fair. The change in prices are mainly confined to the reductions in Screws and Rivets, and the advance in Nails.

Nuts and Bolts: It was expected that a change in the prices of Nuts and Bolts would be made by the manufacturers in February, but at the meeting held in Cleveland on the 20th, the manufacturers decided to sustain the present prices. If circumstances should arise making a change necessary, it will be left to the judgment of the individual manufacturers. The February demand for Nuts and Bolts has not reached expectations.

Rivets: The American Screw Co., Providence, R. I., in a discount sheet, under date of February 26, announce the revised discounts on Rivets as follows;

Norway, Ordinary, in Bulk	70 %
" Coopers, in Bulk	70 %
" Thousand, in Bulk	70 %
" Thousand, in Papers	70 %
" Block and Carriage, in Papers of 100	70 %
" Hame	70 %
" Belt, with Burrs	70 %
Bay State	72½%
Soft Steel Rivets, 3-16 and larger, 1 inch and longer	75%

Screws: A reduction in the price of Screws was made at a meeting of the Screw manufacturers held recently. The discounts now in force are as follows:

Flat Head, Iron	87½%
Round and Oval Head, Iron	80 %
Flat Head, Brass	87½%
Round and Oval Head, Brass	80 %
Flat Head, Bronze Metal	80 %
Round and Oval Head, Bronze Metal	75 %

The jobbers have been making prices fully as low as the manufacturers' regular extreme price. This action probably accounts for the reduction. Had the manufacturers waited for business till the stocks held by the jobbers were low the change would not have taken place.

Wire Nails: The anxiety of the jobbers to place their orders before the March advance, stimulated business to a large extent during the latter part of February, but the manufacturers say that trade is not as active as the time of the year warrants. The activity was caused by a large number of small orders rather than by large orders that are generally anticipated during February. The manufacturers have not accepted any orders for March delivery at February prices. The regulation of the output of the mills is the secret of their excellent control of the market, it being their practice to make just so many Nails as the market requires. March business has slackened somewhat. The prices advanced on March 1, as anticipated, to the following figures: Carload lots or mixed carloads, $2.40 per keg base, f. o. b., Pittsburg; less than carload lots, $2.50 per keg base, f. o. b. Pittsburg. On direct shipments on contracts in less than carload lots of 24,000 pounds of Nails an extra 5 cents per 100 pounds will be charged. To jobbers taking of one mill within one calendar month 500 kegs or more, 5 cents per keg rebate will be allowed. The New York quotation for carload lots on dock is $2.58, and small lots from store fetch $2.68.

Cut Nails: The Cut Nail market is in a similar condition to that of Wire Nails. Purchases made by the jobbers are supposed to cover their wants for March. The mills were very busy during the last week of February filling orders in anticipation of the advance that went into force on March 1. The manufacturers seem certain of maintaining the present high prices right through the Spring. With the 15 cents advance of March 1, prices are as follows: Carload lots, f. o. b. Pittsburg, $2.15; less than carload lots, f. o. b. Pittsburg, $2.25. Carload lots on dock, New York, are held at $2.33; small lots on dock, New York, $2.43, and small lots from store, New York, $2.45.

White Lead, Red Lead and Litharge: The quotations made by the National Lead Co., are as follows: White Lead, dry or in oil, Red Lead and Litharge in kegs, in lots of less than 500 pounds, 5¾c. net; in lots of 500 pounds and over, 5¼c.; Red Lead and Litharge in barrels and half barrels, ¼c. per pound less than price in kegs.

Linseed Oil: There is no change in the New York prices of Linseed Oil. Quotations are as follows: American raw, 41 cents per gallon; American boiled, 44 cents per gallon, and Calcutta raw, 52 cents per gallon.

Putty: The better grades range from $1.40@$2.25 as to package and quantity.

Window Glass: Quotations are 70@70&5% off on French and 75@70&10% discount on domestic.

Clapp & Co, bankers and brokers, New York, in their weekly letter say: "The United States imported from Cuba in 1895: Bananas, $582,986; oranges, $72,394; sugar, $36,544,252; tobacco, $9,222,977; mahogany, $987,307, total all, $51,652,125, against $76,413,131 the previous year. We exported to Cuba in 1895: Agricultural implements, $52,708; books, etc., $21,940; corn, $100,843; wheat flour, $962,944; carriages, etc., $88,338; coal, $891,208; cotton goods, $72,-060; fruits and nuts, $60,321; Hardware, $190,042; iron and steel, $505,638; sewing machines, $18,035; leather, $7,107; naval stores, $16,738; turpentine, $21,950; oils, $502,135; beef products, $35,205; hog products, $768,676; lard, $2,-036,337; lumber and manufactures of, $651,480; small items such as butter, cheese, seeds, cigarettes, etc. Total, all, $9,498,654, against $17,186,835 previous year. We imported from Spain $3,826,960, and exported to Spain $10,594,474. The effect of the fighting in Cuba can be plainly seen in reduced business with the island last year. Spain has three modern second class battle ships, and three other older ships of less pretensions. One small monitor, five unarmored vessels carrying guns, seven gunboats of good speed, 42 others of no significance, and 41 indifferent torpedo boats. United States has 4 battle ships, 6 monitors, 2 large war vessels, 1 ram, the ships Texas, Iowa and Brooklyn nearly ready for service, and 20 unarmored modern ships easily equipped. Patriotic men everywhere will not fail to remember the cost of war and however much they love the cause of liberty, they will also consider the cause of progress especially that of our own nation. Markets are liable to be affected for some days, and perhaps weeks, by various rumors of war nature."

THE BALTIMORE TRADE.

A careful review of business for the past fortnight reveals an amount of eccentricities as wavering and uncertain as the Spring zephyrs that now fan the leafless boughs. Good days alternating with bad days; now rush and bustle, then comes a delightful quiet, so evenly assorted that it seemed a kind Providence interspersed between each working day a Sunday, for those tired spirits who worship at the shrine of Rest. Altogether we have had little cause for complaint. The month of February closed very satisfactorily, showing a decided increase over the corresponding month of last year (comparisons usually are odious, and 1895 is a very poor criterion). The low price ruling on wire, and the assured certainty of an advance on Nails, no doubt had much to do with the increased sales; but shelf goods and seasonable Hardware moved in fair quantities. No! It was not all chaff that came to the mill; some few grains of wheat were intermingled, just to keep us in good spirits.

March, blusterer though he be, starts off very favorably. In a few weeks the real Spring trade in this section opens, and if appearances count for anything—judging from reports received—we can look forward to a fairly active season. Stocks in the hands of the country merchant are low, very low. His debts are less, owing to conservative buy-

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ing, than at any time for the past two years. He comes to the market unhindered by obligations, conscious of a store at home that needs restocking. His trade journals have advised him of newer and lower prices—his visiting salesmen have promised him "a good time when he comes on." He comes, he buys, he goes; taking with him new ideas, leaving behind him a cordial feeling that lasts for a long time to come. Feelings of friendship thus generated are productive of good to all concerned. It is one of the amenities of trade, raising us out of the dull worship of dollars to the proper appreciation of the fellowship of man. This is not a bad world to live in when we learn to separate the bitter from the sweet. The bee and the wasp suck the same flowers, but both do not extract the same honey.

TABB & JENKINS HARDWARE CO.

THE BOSTON TRADE.

The weather during the past week has not been such as to write of any improvement in business, but, from general tendencies the outlook is encouraging, and our customers speak hopefully of spring trade. We learn from good authority that there is to be a fair amount of activity in building operations, and this fact has stimulated purchases in this line of goods.

The recent advance in Wire and Cut Nails, which was so thoroughly advertised, has stimulated the purchase of these goods, but the orders received were only such as to cover the demand for a short time.

The Screw market is decidedly weak, and the action of certain manufacturers, who have been offering these goods to the smallest trade at cut prices, is open to criticism.

A season of good bright weather will have a wonderful effect on the volume of business, as stocks are reported as light all through New England. FRYE, PHIPPS & CO.

THE PHILADELPHIA TRADE.

If any hopes existed of an early Spring, they have been entirely dispelled by the advent of March, which has come in the guise of the traditional lion, with blustering and continued cold winds. Of course, trade has felt the effects, and country dealers complain that spring trade has not begun to show itself. But, if the old proverb is at all true, March will distinguish itself by a lamb-like behavior at its close, and if so, it may reasonably be expected that the end of the month will witness a good degree of activity in all spring goods.

On the whole trade may be said, even now, to be fair, and especially as it has been greatly stimulated by the sample orders placed for Bicycles and Bicycle sundries. These help to keep bnsiness above the average, and it is gratifying to know that dealers are already sending in additional orders to refurnish their stock, showing that Bicycles have begun to move.

Collections are dragging, and the cold weather is probably largely to blame. Prices remain without important changes, and on the whole, the market may be said to be a waiting one. While the advance, although conceded to be artificial, in Nails has stimulated trade in that line greatly, and more Nails were probably sold in the last ten days of last month than in the whole of the preceding month.

The Nail combination appear to control the situation with a very strong hand, and there is even some talk of higher prices. What the trade generally would like to see, however, would be a new card—one which would actually give the price of a keg of Nails—for, as it is justly said, to-day the quoting price on Nails is for the empty keg only and $2.50 at mill sounds like a pretty high price for a wooden Wire Nail keg. Of course the trade understood the extras, but it is a constant annoyance to them to be obliged to explain this to consumers. BIDDLE HARDWARE CO.

THE COLUMBUS TRADE.

There is little to report this week in the way of changes. Trade is showing more life during the past week, and if collections would improve, there is no doubt about a good business. Merchants are needing goods, but conservative dealers are keeping close to shore, and it is no doubt the correct thing to do until things ease up a little. We find a good many retail dealers who bought nails outside of the Nail Association or their representatives are short, and no certainty when they will get any. Some have had to buy since March 1st, and pay the advance. When you come to think that 95 per cent. of the nails are made by the association, it is a sure thing that the other 5 per cent. does not cut much of a figure in the market. It is easy enough to quote prices and take orders, but not so easy to fill them.

Screws and Bolts are cheaper. Wire remains the same. We had a few pleasant days this week, and the Bicycle business was better than we wanted, as we could not get wheels fast enough. We are not selfish, but we would not cry if we had some mud again for a week or two until we get more wheels. We find others are in the same boat. There seems to be a certainty that there will not be enough medium priced wheels to supply the demand.

THE SMITH BROS. HDWE. CO.

THE PITTSBURG TRADE.

While there is still room for improvement, trade is "not half bad," as we find a substantial increase in sales over February, 1895. The demand for bicycles is much earlier than usual, and in quite large volume. Storekeepers in smaller towns are taking hold of these good and it looks as though the large output of all the makers will be absorbed. For the past two years conservative men thought the Bicycle business would be overdone, but they were wrong, and may be this year also.

Fence wire has receded in price with the decline in Steel Billets, and is now very low. The 15 cents advance in Nails has taken place and the Trust seems to be able to control the market. We expect a fairly good Spring trade and that it will open up early. Collections are a little slow just at present. LOGAN-GREGG HARDWARE CO.

THE DAVENPORT TRADE.

The ice in the Mississippi went out last Tuesday, taking with it the false-work which supported the railroad track, and a portion of the material being used in constructing the north half of the draw span of the new Government and C. R. I. & P. Ry. bridge here, completely divorcing Davenport from Rock Island and Moline, until the ferry boats could be taken out of winter quarters; no trains crossed for several days, seriously interfering with commerce and inconveniencing travelers.

A number of Iowa Hardware jobbers met at Cedar Rapids, Iowa, on the 28th ult., to talk over matters of mutual interest and especially the nail situation. It was resolved to maintain prices fixed by the association.

The advance of fifteen cents per keg on Wire Nails makes the trade just fifteen cents madder than before.

SICKELS, PRESTON & NUTTING CO.

THE CLEVELAND TRADE.

Since our last letter to you, business has continued to show an improvement that is very gratifying. It is true that this improvement has been mainly in the line of Wire Nails and Smooth and Barbed Wire, and the larger movement of Wire Nails can be attributed to the advance made by the manufacturers, taking effect March 1st. Barbed and Smooth wire have moved because the value is low, and there is an absolute necessity for it on the part of country merchants.

The price on Nails seems to be very firmly established, and while there have been rumors flying in the air to the effect that prices will be very much lower, present developments do not justify such rumors. In our opinion the prices will be maintained firmly, and all dealers are safe in buying for their legitimate wants from month to month.

The greatest drawback to business conditions at present

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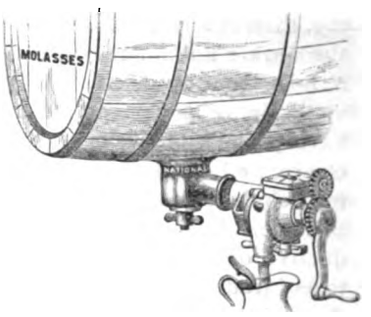
Price $2.50.

We Make Faucets

That measure a pint, a quart or a gallon accurately. A Barrel Drainer that adjusts automatically to fit in the bunghole. No bung borers needed and no molasses wasted. Coffee, Spice and Drug Mills that grind as you like it. Draw Cut Tobacco Cutters that do not squeeze through, but cut with ease. Our goods are second to none. All are fully warranted. Send for Catalogue to

NATIONAL SPECIALTY MFG. CO.

Lehigh Ave. and Third St. - PHILADELPHIA, PA.



National Barrel Drainer and Measuring Faucet.

is the difficulty in making collections, and the general stringency of the money market. Taking these conditions into account, it is rather a surprise that business is as good as it is.

The near approach of spring weather is creating a demand for Bicycles, and many sales at retail are being made, even in this territory, where it will not yet be possible to use them for thirty days.

Steel goods are in only moderate demand. There appear to be a number of them carried over in the hands of retail merchants, so that the probabilities are that the demand for this season will be light. This is also true of Scythes and Snaths and to a lesser degree of Lawn Mowers. Other seasonable goods are moving in satisfactory quantities.

We have recently issued a catalogue, also some extra pages for our main catalogue, which seem to be appreciated by the dealers who have received them.

McIntosh-Huntington Co.

THE GRAPHITE TRADE.

In comparing the business of a month, with that of the same month of a previous year, the figures on the sales books, representing actual deliveries, are used.

There is a certain fallacy in such a comparison, which shows itself in February of this year, the business by such results, showing a decrease of several thousand dollars, caused by inability to ship some of the larger orders, which have gone over to March, through lack of goods to make the orders complete.

Thus Crucible and Pencils show a percentage of loss, while Graphite Paint and Grease show an increase, and the Lubricating Graphite a marked gain.

In the manipulation of large orders, particularly for Crucibles, goods cannot readily be shipped on account, as carloads are necessary, and where smaller orders draw on the stock, the vacancies must be filled. The proper comparison to show the state of the business should be made semi-annually.

Aside from all this, business is good, and although prices are close, the "up to date" manufacturer can make allowance for such competition.

The Dixon Graphite goods being standard, close prices are not much of a disturbing element.

Office business seems to be more and more overwhelming, and the days too short to keep desks clear.

Collections about as usual, which means fair promptness.

Joseph Dixon Crucible Co.

Bicycle Paths for Jersey.

Bicycle riders in New Jersey and New York are to reap the benefit of a bill passed in the Jersey Assembly. It authorizes the raising of money for the construction of bicycle and foot paths along and upon the public roads of New Jersey, and setting apart of such paths to the exclusive use of wheelmen and foot passengers. "Said bicycle and foot paths shall not be less than three nor more than six feet in width, and shall be constructed along and upon such of the public roads of the township, and over such part of any particular public road between the outside lines thereof as the township committee shall determine.

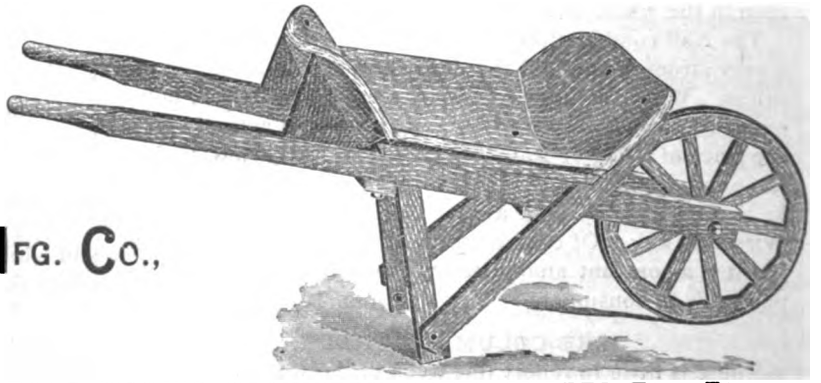
"Said paths when constructed under the provisions of this act shall be set apart for and to be used by bicycle riders and foot passengers, and every person who shall ride or drive a team thereon, except for the purpose of crossing the same when necessary so to do, shall forfeit and pay the sum of $5 to the use of the township, to be sued for and recovered by any person who will sue for the same."

Making Holes in Glass.

Strong glass plates are bored through by means of rotary brass tubes of the necessary diameter, which are filled with water during boring. To the water there is added finely-powdered emery. Thinner glass may be perforated with holes in an easier manner, by pressing a disk of wet clay upon the glass, and making a hole through the clay of the size required, so that the glass is laid bare. Molten lead is then poured into the hole, and lead and glass drop

"SCIOTO" for R. R. or Canal Work.

A thoroughly first class bolted barrow. Full sized Tray. Well planed, cleated, braced and bolted. Legs and cross pieces gained. Knocks down for shipping and is easily set up.



The Kilbourne & Jacobs Mfg. Co.,

COLUMBUS, OHIO.

Producers of BARROWS, SCRAPERS, ROAD MAKING MACHINERY, STEEL SHAPES, Etc., Etc.

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We are now ready to talk

Straus Roadster Bicycles

And arrange with you for the agency of the highest grade wheel in the market.

We have a strictly first-class **$100** beauty for **$85,** fully guaranteed for actual road use. Agents for the **STRAUS ROADSTER** do not need repair shops.

Liberal discount to the trade and satisfactory territory assigned. Catalogues mailed upon application

L. STRAUS & SONS,

42, 44, 46 and 48 Warren Street, and 116 Chambers St.,

NEW YORK.

down at once. This method is based upon the quick, local heating of the glass, whereby a circular crack is produced, the outline of which corresponds to the hole made in the clay. When molten lead is poured upon clay so that steam is generated from the moisture, the lead is very apt to fly. Putty, although, of course more expensive, is much to be preferred to clay for use in connection with molten lead.—*American Machinist.*

The United States consumes more than 50 per cent. of the tin plates exported by Great Britain.

HARDWARE is printed for men now on earth.

Williamsport Cut Nails,

KENYON GRISWOLD VIELE,

90 Washington Street,

NEW YORK.

Steel Wire Nails.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained. The fair sex don't hold all the curiosity in the world. First catch the eye, then appeal to the reason



CHAS. W. PACKER,

MFR.,

20 N. 4th St.,

PHILADELPHIA.

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The Kirk-Young Mfg. Co.

TOLEDO, OHIO.

Manufacturers of

High Grade Wheels

At Medium Price.

Especially Designed for the Hardware Trade.

Write for Territory and Prices NOW

What have you to Exchange?

Or will sell at a special bargain, a 36-inch Curtis & Marble, Worcester, Mass., **HAIR PICKER.** Best machine for this purpose in the market. Picks and renovates free from impurities, about three tons of hair per day. Machine has had but little use, hence is as good as new. An extra Cylinder, Counter-Shafts, Belting and Fan will go with same.

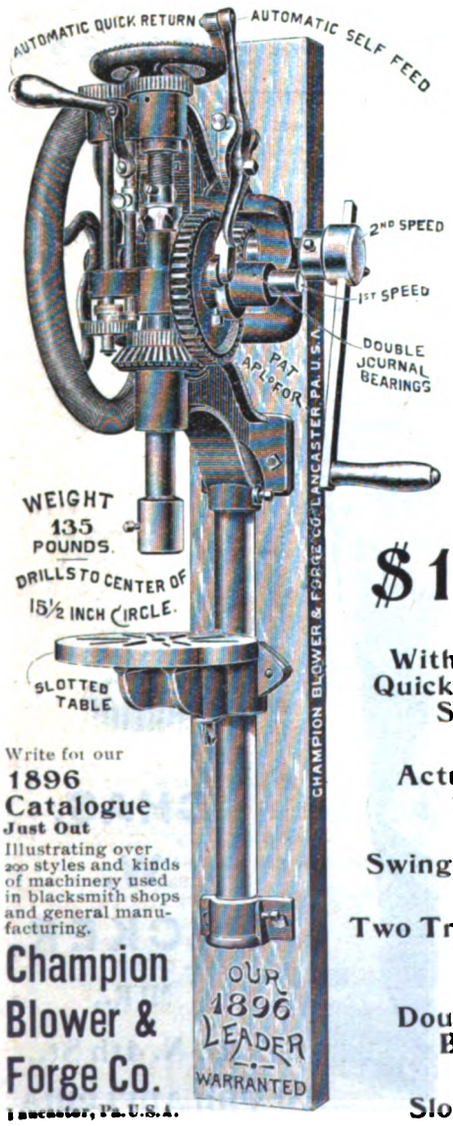
Also have a

10-Horse Power Upright Junior Westinghouse ENGINE.

Address

The ENTERPRISE MFG. CO.,

AKRON, OHIO.



Write for our **1896 Catalogue** Just Out

Illustrating over 200 styles and kinds of machinery used in blacksmith shops and general manufacturing.

Champion Blower & Forge Co.

Lancaster, Pa. U.S.A.

The **CHAMPION** 1896 Quick Return Blacksmith **Self-feed Post Drill,**

$11.50

With Automatic Quick Return and Self-Feed.

Actual Weight, 135 lbs.

Swings 15½ inches.

Two True and Honest Speeds.

Double Journal Bearings.

Slotted Table.

THE BARNES WHITE FLYER

Is a Popular and Trustworthy Mount.

IT can boast of more novel features than any machine on wheels.

The Barnes Cycle Co.,

Write for Catalogue. Syracuse, N. Y.

George III. and Electric Conductors.

About the year 1778 a dispute arose among the members of the Royal Society relative to the form which should be given to electrical conductors so as to render them most efficacious in protecting buildings from the destructive effects of lightning. Franklin had previously recommended the use of points, says the *Architect*, and the propriety of this recommendation had been acknowledged and sanctioned by the Society at large. But after the breaking out of the American Revolution, Franklin was no longer regarded by many of the members in any other light than an enemy of England, and as such it appears to have been repugnant to their feelings to act otherwise than in disparagement of his scientific discoveries. Among this number was their patron George III., who, on its being proposed to substitute knobs instead of points, requested that Sir John Pringle would likewise advocate their introduction. The latter hinted that the laws of nature were unalterable at royal pleasure, whereupon it was intimated to him that a president of the Royal Society entertaining such an opinion ought to resign, and he resigned accordingly. This story, though it does not appear to be in print, having been suppressed in deference to royalty, was current at the time among the members of the society, and there is no doubt of its truth. Dr. Hutton alludes to it in the following extract from his "Mathematical Dictionary": Considering the great attention that was paid by Sir John Pringle to the various and important duties of his office, and the great pains he took in the preparation of his discourses, it was natural to expect that the burthen of his honourable station should grow heavy upon him in a course of time. This burthen, though not increased by any great addition to his life, for he was only six years president, was somewhat augmented by a fall from which he received some hurt. From these circumstances some persons have affected to account for his resigning the chair. But Sir John Pringle was naturally of a strong and robust frame and constitution, and had a fair prospect of being well able to discharge the duties of his situation for many years to come, had not his spirits been broken by the most cruel harrassings and baitings in his office. His resolution to quit the chair originated from the disputes introduced into the Society concerning the question whether pointed or blunt electrical conductors were the most efficacious, and from the cruel circumstances attending those disputes. These drove him from the chair. Such of those circumstances as were open and manifest to every one were even of themselves perhaps quite sufficient to drive him to that resolution. But there were yet others of a more private nature which operated still more powerfully and directly to produce that event, which may probably be hereafter laid before the public."

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Russell & Erwin Mfg. Co.'s Fire.

Fire visited the works of the Russell & Erwin Mfg. Co., New Britain, Conn., on the afternoon of March 3d, and twice on March 4th. Tuesday's blaze was the most severe though not nearly so bad as reported in many of the papers. The fires of Wednesday did but little damage. Tuesday's fire was confined to that part of the works known as the lock department which comprises but a very small portion of the company's immense factory, which covers several blocks. The fire was extinguished by the company's fire brigade assisted by the fire department of the Stanley Works, headed by president Hart. The loss is estimated at $80,000, fully covered by insurance.

The company address the trade in the following circular letter:

NEW BRITAIN, CONN., March 5th, 1896.

TO THE HARDWARE TRADE:

A small part of our factory was injured by fire on the 3d inst. There will be no delay in the prompt shipment of regular goods, as we have full stocks of the same here and at our warehouses in New York, Philadelphia, and Baltimore, but on orders for Locks and Knobs that have to be made specially we shall ask the indulgence of our customers for two or three weeks, when we hope to be in a position to fill such orders. We are pleased to state that the loss is much less than the estimates published in the newspapers, and the delay not as serious as would naturally be expected. All of the other departments of our factory are running. Our Screw Works are also intact and orders will be filled promptly. RUSSELL & ERWIN MFG. CO.

Warehouses, New York, Philadelphia and Baltimore.

Old-Time Window Glass.

"The glazier of fifty years ago," said a Maine man of experience in the business, "worked differently from what we do to-day. Glass was very costly then compared with present prices, and much of it was so warped and crooked that it would be a curiosity in these times. Owing to the cost we had to be very careful in setting it, and the glazier of that day had to be a wood carver as well as a man of putty. The warped panes would be laid into the sash and their shape 'scribed' on the wood underneath. This was then cut away, so as to make the glass fit into place. Nowadays the glass is tolerably true, and, besides, it is so cheap that we never stand for a fit. It is sprung into its place, and if it breaks it is thrown aside. The old crooked glass was, some of it, of superior quality. This was known as Boston crown glass or Berkshire crystal. It was clearer and more brilliant than most modern glass. Only the better quality houses had this kind, but there are still many old residences through Maine in which it may be found."—*Lewiston (Me) Journal.*

As we have already announced, the annual dinner of the New England Iron & Hardware Association will be held at Young's Hotel, Boston, on the evening of March 19th. Among those who will speak are the following well-known gentlemen: Ex-Governor John D. Long; Col. John C. Wyman, Providence, R. I.; Hon. Josiah Quincy, Mayor of Boston, and David Williams, publisher of *The Iron Age*, New York.

A six-foot aluminum coffin weighs about 100 pounds, while one of oak weighs nearly twice as much.

HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

Wheels FOR The People

"APOLLO," $75.00

"VESPER," $50.00

High Grade Juvenile Wheels

"CYCLOE" AND "FAIRY."

LAMPS, BELLS AND SUNDRIES.

AGENTS FOR

THE "AMERICA" PENNSYLVANIA, NEW JERSEY (SOUTH OF TRENTON), DELAWARE, CENTRAL AND WESTERN NEW YORK.

"WORLD." PENNSYLVANIA, SOUTHERN NEW JERSEY, DELAWARE AND MARYLAND.

Lovell Diamond Wheels

In PENNSYLVANIA.

EDW. K. TRYON, JR. & CO.,

Send for Catalogue. PHILADELPHIA.

HIGHEST GRADE OILER



DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
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PIPE VISES, RATCHET DIE STOCKS, ETC

Sent free on application to

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No. 3 Garden Street, Bridgeport, Conn

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Albany, Ill.—Slocum & Son.

Delaware, Ohio.—B. T. Bell.

Lowell, Mass.—A. Fenton.

Marion, S. C.—Henry Wilcox.

Natchez, Miss.—Baker & James.

Newman, Ill.—Will Swickard.

New York, N. Y.—J. H. Simpson, No. 280 Amsterdam Avenue.

New York, N. Y.—H. H. Williams, No. 401 Amsterdam Avenue.

Sturgis, Ky.—Dyer & Stone.

Record of Changes.

Alhambra, Ill.—Fred Dauderman has purchased the Hardware store of Jacob Gehrig, Jr.

Bangor, Me.—Thomas Munce has sold his interest in the firm of Patterson & Munce, Hardware merchants, to Z S. Porter, who has been connected with the firm of M. Schwartz's Sons for some time.

Battle Ground, Ind.—Thomas & Barker, Hardware, etc., have been succeeded by W. F. Ridgeway.

Belle Centre, Ohio.—J. W. Blair of Huntsville, has purchased the interests of L. T. Emery in the Hardware store and will move here soon.

Bethany, Ill.—F. B. Sells has bought the Hardware stock of J. H. Crowder.

Bloomington, Ill.—A. F. Rissor, Hardware, have dissolved partnership, owing to the death of A. F. Rissor, and the stock has been sold.

Burlington, Vt.—J. H Holton has been succeeded by the Holton Hardware Co.

Camden, S. C.—Medlin & Wallace, Hardware dealers, have dissolved co-partnership, C. W. Medlin withdrawing to go into business for himself.

Carrollton, Ill.—H. C. Sieverling, Hardware, has been succeeded by Sieverling & Schuman.

Cleveland, Ohio. — Bohn Bros. & Co., Hardware, reported to have dissolved partnership.

Columbus, Ga.—Abbott & McKee, wholesale and retail Hardware, etc., have dissolved partnership, and the business will be continued by Abbott & Brinson.

Covington, Tenn. — Herbert Hamilton, Hardware, has been succeeded by the Covington Hardware Co.

Devine, Tex.—G. A. Schley, Hardware, etc, has been succeeded by J. A. Whitfield.

Duluth, Minn.— R. R. Fonward & Co. have purchased the Hardware business of the West End Hardware Co.

Dunkirk, N. Y.—Bloss & Weiner, Hardware, reported to have dissolved partnership.

Fairfield, Ia.—John Gochner, for many years in the employ of J. W. Burnett & Co., has purchased the Hardware stock owned by that company and will continue the business at the old location near the C. B. & Q. depot.

Farnam, Neb.—M. D. Watt & Co. have purchased the Hardware and harness stock of Louis Tonne, and will continue the business.

Gibtown, Tex.—A. H. Eaves, Hardware, have been succeeded by A. H. Eaves & Co.

Hemet, Cal.—D. O. McKee has purchased the stock of Hardware of Messrs. Heffelfinger & Co., and will hereafter conduct the business.

Laredo, Tex.—J. Deutz & Sons, Hardware have been succeeded by Deutz Bros.

Lowville, N.Y.—Fowler Bros., Hardware, T. B, Fowler retires.

Masonville, N. Y.—J. I. Boice and Chas. Wade have formed a co-partnership and have purchased the Hardware business of McKinnon & Culver. Both gentlemen have had experience in the business.

Monmouth, Ore. — Frazer & Cattron, Hardware, reported to have dissolved partnership.

Monticello, N. Y.—The firm of Smith Bros., dealers in Hardware, has been dissolved by mutual consent.

Potsdam, N. Y.—Howard Eastman has purchased of E. A. Everett an interest in the Clark Hardware business.

Poughkeepsie, N. Y.—Kirby, Du Bois & Boyd, wholesale and retail Hardware, have been succeeded by Du Bois Bros.

Redfield, S. D.—King & Obrecht, Hardware, reported to have dissolved partnership.

Rockford, Ill.—Charles Hunter, the Hardware merchant on East State Street, has sold out his stock to T. F. and W. H. Palmer, who will continue the business at the present location. Mr. Hunter has purchased the stock of Oliver Drake on West State Street and will continue in the Hardware business at the latter's store.

Saybrook, Ill.—A. Moran has sold his Hardware stock to James Stine & Son.

Springfield, Mass.—Thayer & Law, Hardware, reported to have dissolved partnership. Mr. Law continues the business.

Springfield, Mo.—The partnership heretofore existing between Dr. W. H. Park, W. H. Howard and M. E. Bunger as the Park Hardware Co. has been dissolved. Dr. W. H. Park assumes all liabilities of the firm and all outstanding debts are payable to him.

Wahpeton, N. D.—M. T. Stevens, one of the oldest and best known merchants in the city, has sold his stock of Hardware, also the building located on Dakota Avenue, to W. W. Jamieson, of this place, who will continue the business in the present location.

Improvements and Removals.

Barberton, Ohio. — Johnson Bros. have just completed a most creditable improvement in their Second Street Hardware store, by putting in entirely new shelves and boxes throughout.

Lewiston, Minn.—Gensmer & Son have recently removed their Hardware business to Caledonia.

Business Embarrassments.

Buffalo, N. Y.—C. Berger, Hardware, reported to have failed.

Chicago, Ill.—R. S. Luquer & Co., dealers in Hardware, etc., have made an assignment to Robert H. Weems.

Georgetown, Ky.—John S. Montgomery, Hardware merchant, made an assignment recently to James Bradley for the benefit of creditors. The assets and liabilities are not yet known.

Knoxville, Tenn.—Wm. Jenkins, a retail Hardware dealer, assigned to W. A. Galbraith. Liabilities, $5,400; assets, $8,000.

Marlboro, Mass.—C. A. Estabrook, who runs the Hardware store in Frye's Block, has made an assignment to W. H. Watts, of Boston.

New Orleans, La.—Knechet & Bauman, Hardware dealers, have made an assignment for the benefit of creditors. Assets, $6161.83; liabilities, $9442.08.

Olympia, Wash. — Robert Frost, Hardware, reported to have assigned.

Redwood Falls, Minn.—Laid & Dorberg, Hardware dealers, have made an assignment. Liabilities, $17,000; assets, $15,000.

Richmond, Va.—William Myers, dealer in Hardware, stoves, etc., has made an assignment.

Sleepy Eye, Minn.—Schneider & Schneider, Hardware and machinery dealers, have made an assignment for the benefit of their creditors. Liabilties, $7000; assets, $5000 less.

Springfield, Ohio.—The Phil S. Wiseman Hardware Co. reported to have failed.

Toledo, Ohio.—Edward C. Grossenbacher, Hardware dealer, Cherry Street, has made an assignment. The assets are reported to be sufficient to cover the liabilities.

Zanesville, Ohio.—W. A. Fillmore, Hardware, has assigned, liabilities, $12,000; assets about the same.

Burglaries in Hardware Stores.

Lancaster, Ohio.—S. P. Seifert, $75.

Napa, Cal.—H. Shwarz, $200.

New York, N. Y.—W. N. Boersat, No. 2307 Third Avenue, small loss.

Plainville, Neb.—N. M. Nelson & Co., $30.

Racine, Wis.—Jacob Mohr, $150.

Fires in Hardware Stores.

Binghampton, N. Y.—Babcock & Stowell, Hardware dealers, stock entirely destroyed by fire.

Grifton, N. C.— Frank Pittman, Hardware, burnt out recently.

New York, N. Y.—The Hardware store of the H. Kugler Co., Nos. 10 and 12 Division Street, was damaged to the extent of $2000 recently.

San Francisco, Cal. — Levison & Co's Hardware store, Nos. 206 to 210 Commercial Street, damaged by fire.

West Palm Beach, Fla.—W. H. Parker, Hardware, destroyed by fire at a loss of $6500; insured for $3500.

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DO YOU CATCH THE IDEA?

SUNOL BICYCLES,
DIAMOND OR DROP FRAME.
$85, $100.

HERCULES BICYCLES,
DIAMOND FRAME.
$40, $50, $60.

STELLA BICYCLES,
DROP FRAME.
$40, $50, $60.

Make a complete assortment that covers every dealer's wants.
We want representation everywhere.

The McIntosh-Huntington Co.
CLEVELAND, OHIO.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

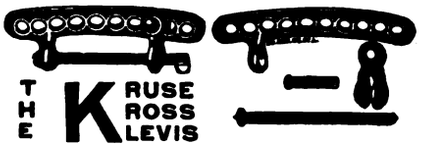
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OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. **NEW YORK.**

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.

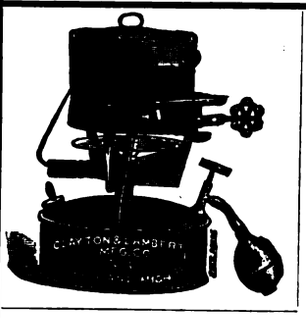


This Clevis being adjustable fits any plow.
Only one kind to keep in stock.

THE KRUSE KROSS KLEVIS CO.,
HIGGINSVILLE, MO.

WORKS PERFECTLY IN COLDEST AND WINDIEST WEATHER.

UNIVERSALLY ADMIRED BY THE PROFESSION.



Justly the Favorite!

THE constant and steady increase in the orders for our **FIRE POTS**, attest, better than words, their superiority.

The mental satisfaction which accompanies success is one of this world's greatest pleasures!

WE ARE PLEASED AND HAPPY.

Sold by jobbers everywhere, or will be shipped directly from the makers. . .

CLAYTON & LAMBERT MFG. CO.

YPSILANTI, MICHIGAN.

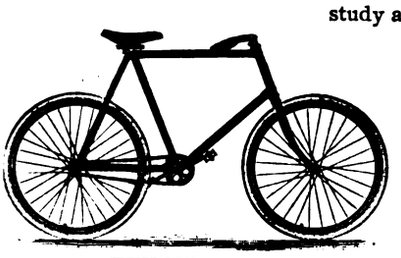
HUNDREDS OF THOUSANDS IN DAILY USE.

WILL HEAT THE HEAVIEST COPPERS FASTER THAN ANY ONE MAN CAN USE THEM.

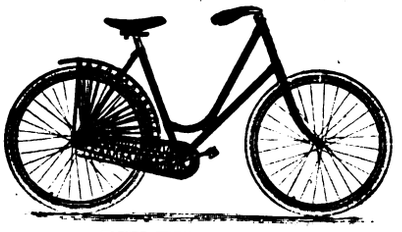
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Are Built to Stand "HARD WEAR."

The pun is unintentional, but the wheel is the result of six years' study and improvement.



BEN-HUR, No. 19.



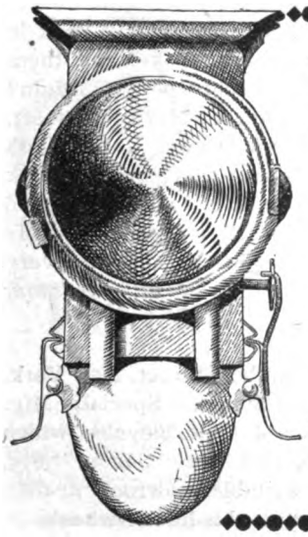
BEN-HUR, No. 20.

THEY have always been as good as the best and they now are "**Better than Ever.**" Our name plate is a guarantee of excellence.

Artistic catalogue, containing cuts and description of our four models and two tandems ready for distribution. Send for one.

CENTRAL CYCLE MFG. CO.,

9 Garden St., INDIANAPOLIS, IND.



Favorite Bicycles
Favorite Lamps.

RECENTLY introduced, but no experiment; we depend upon the quality of our goods to build up our business. Write for Catalogue. . . . . .

Sharpless & Watts,
PHILADELPHIA, PA.

Jobbers of Tubing and Bicycle Material
Of Every Description.

LIGHT .·. SAFE .·. COMFORTABLE

Dealers, Write for Discount.



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Manufactured by **Geo. Hilsendegan,**
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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc, will be gladly received, and promptly published.

New Companies, Etc.

Austin, Tex.—Thompson-Lang Hardware Co., of Hillsboro, incorporated by J. R. Thompson, W. R. Lang and J. R. Thompson, Jr. Capital stock, $50,000.

Buffalo, N. Y.—The Clark Specialty Co., organized; to manufacture improvements in pipe and girder hooks. Capital, $20,000. Directors—William A. L'Hommedieu, Jr., H. J. Skinner, O. A. Jenkins, Elmer E. Chambers and J. P. Rapalje, of Buffalo.

Camden, N. J.—Clement Pneumatic Tool Co., incorporated by Thomas Scattergood, Thomas L. Hicks and John W. Emery. Capital stock, $100,000.

Havre de Grace, Md.—Parties from Lancaster, Pa., are investigating, with a view to the erection of Hardware works in Havre de Grace.

Kittery, Me.—The Spiral Tool Machine Co. has been organized; to manufacture machines and appliances for the sharpening of saws, with a capital stock of $100,000, Henry L. Morrill, of Brooklyn, N. Y., as president, and John F. Morrill, of Boston, treasurer.

Little Rock, Ark.—The W. W. Dickinson Hardware Co., incorporated by W. W. Dickinson as president; J. H. Martin, vice president, and G. H. Lyons, secretary and treasurer. Capital stock, $50,000.

New York, N. Y.—The Flameless Gas Stove Co., incorporated by Joseph L. Follett, Max Springer, Adam E. Schatz and H. L. Follett. Capital stock, $100,000.

Portland, Ore.—The Habighorst Co., incorporated by E. R. Habighorst, A. H. Steadman and W. L. Conant; to conduct a general business in Hardware, etc. Capital stock, $50,000.

Rockford, Ill.—Skandia Mfg. Co., incorporated by Charles J. Anderson, Charles J. Valentine and Charles A. Lind; for the manufacture of agricultural implements. Capital stock, $20,000.

Utica, N. Y.—The Hart & Crouse Co., incorporated by H. Gilbert Hart, Clarence B. Crouse and Daniel N. Crouse; to manufacture all kinds of furnaces, heating apparatus and boilers, and do a general foundry business. Capital stock, $226,000.

Changes and Removals.

Decatur, Ill.—The Spery Cutlery Co., St. Louis, has located here and will occupy the old shoe factory building. Work will be commenced immediately with fifty hands.

New Buildings and Improvements.

Birmingham, Ala. — The Birmingham Hardware Specialty & Machinery Co. contemplate rebuilding their plant, which will be 100x50x16 feet.

Green Ridge, Mo.—The Hecla Mfg. Co., of Illinois, will erect factory building, for the manufacture of chisels, augers and all kinds of edged tools, etc. Capital stock, $150,000.

Tacony, Pa.—A large new tool factory is to be added to the Disston Saw Works. The building will be of brick, two stories, 100x70 feet.

Recent Fires.

Lancaster, Pa.—The shops of the Chalfant Hardware Mfg. Co. were burned recently. The loss was $30,000; insurance, $17,000.

General.

Anderson, Ind. — The Anderson Bolt Works will be taken out of the hands of the receiver and work will resume as soon as arrangements can be perfected. At a meeting of the stockholders held in Mr. Doxey's office recently the following officers were selected: President, C. T. Doxey; vice-president, A. J. Brunt; secretary, J. L. Forkner, and manager, J. R. Brunt.

Haydenville, Mass.—The stockholders of the Haydenville Brass Co. at their annual meeting held recently reelected the old board of officers as follows: President and treasurer, H. H. Beals, of New York; vice-president, L. H. Beals, of Westfield; secretary, R. C. Wilson, of New York. These officers, with C. B. Hosford, of Haydenville, and Charles Hess, of New York, will constitute the board of directors.

The Wheel and England.

Take the Great North Road. Except upon market days one might have traveled any fifty miles along it between Highgate and York without meeting fifty people. The famous old inns were in the condition of the "Dolphin's Head, by J. Mellows," as described by Dickens in his capacity as an uncommercial traveler. Towns which literally lived by the road had drifted into a helplessly somnolent condition, from which no apparent human agency could awaken them, and the stranger thereto was stared at as much as if he had been a Highlander or an Iroquois in full war paint. The highway itself being of no particular value to anybody since the Great Northern Railway began to whirl the old patrons of the road along at forty-five miles an hour, was allowed to decay, and in wet seasons or snowy weather was well-nigh impassable.

The rage for wheeling has produced a rapid transformation. Station yourself at any point you like, and try to count the machines which pass on a fine Saturday afternoon during the course of an hour, and you will soon abandon the task as hopeless. Then, consider that every rider of every machine spends something during his trip, even if it be but the cost of a temperance drink; consider that a very large number of Saturday riders sleep out and make good meals during their journey; that they are constantly spending something over and above their actual traveling expenses; that the wonderful extension of our acquaintance with our own country resulting from these peaceful invasions of it by the inhabitants, not merely of the metropolis, but of every city and considerable town in the land, has led to the refurbishing up of such local lions as the castle, or the abbey, or the great Somebody's birthplace, or the waterfall, or the view (the inspection of all of which means the expenditure of money), and an approximate idea may be gained of the influence upon national trade which this pastime alone exercises.—*Chambers' Journal.*

Being a Blacksmith.

Among the seven trades which a student in mechanical engineering must learn at Cornell is that of the blacksmith. Occasionally there is a protest, but it is never heeded. One dude ten years ago was unusually averse to soiling his hands. But he had to work at the forge just the same. Last fall he went to Professor Morris and thanked him for being compelled to learn blacksmithing. "Why?" asked the professor. "Why, you see," replied the former dude, "I am now superintendent of a mine way back in Colorado. Last summer our main shaft broke, and there was no one in the mine but myself could weld it. I didn't like the job, but I took off my coat and welded that shaft. It wasn't a pretty job, but she's running now. If I couldn't have done it, I'd have had to pack that shaft on mule back and send it 300 miles over the mountains to be fixed, and the mine would have shut down till it got back. My ability to mend that shaft raised me in the eyes of every man in the mine, and the boss raised my salary."—*Scientific American.*

J. C. McCarty & Co., No. 97 Chambers Street, New York, have been appointed agents by the Syracuse Specialty Mfg. Co., Syracuse, N. Y., for the sale of their bicycles, which include the "Frontenac," $100, and the "Saxon," $75, wheels. They have arranged a suitable showroom at their store, and invite the trade to inspect this line of wheels.

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A MEDIUM PRICED STOVE

WITH INDIVIDUAL BURNER AND PROCESS FLAME



WILL be a leader in the **Vapor Stove** business for 1896. This fact is conceded by all. Examine the merits of **our "D" line** before placing your order for this line of Stoves.

More beautiful and better operating lines than our **Reliable Process** and **Single Generating Stoves** are not manufactured. . . .

The Schneider & Trenkamp Co.

CLEVELAND, OHIO. ~ **CHICAGO, ILL.**

"THE AMERICA."

A Bicycle

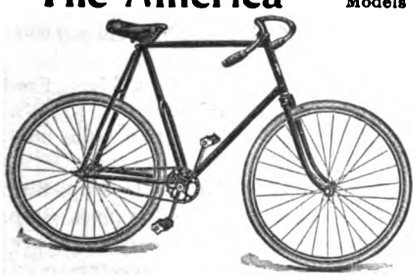
Riders and Dealers Appreciate.

With up-to-date improvements and

That is Built
That Runs . .
That Looks .
That Stays . .

Right

"The America"



Models include not only the usual straight bar frames, but the Original and

Improved "Truss" Frame,

made and patents owned by the International Mfg. Co., under the personal supervision of the inventor thereof.

We also make the finest Tandem on the market, both double Diamond, and Diamond and drop frame.

The Union Nut & Bolt Co.

107 Chambers and 91 Reade Sts., New York.

Agents for Northern New Jersey, and Central and Eastern New York State and the Metropolitan District; also the Export Trade.

We want an Agent in every large town and City in our territory. Write for Terms. . . .



NIAGARA BICYCLES

Are the Standard of Excellence

NIAGARA BICYCLES

Are Light, Strong and Speedy.

NIAGARA BICYCLES

Can be handled by dealers with profit.

NIAGARA BICYCLES

Are fully described and illustrated in our Annual Catalogue. Send for one.

NIAGARA BICYCLES

Sell at Sight.

Buffalo Wheel Co.,

Makers, BUFFALO, N. Y.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Alexandria, Ind.—Carpenter & Smith, bicycles, opened new store with Clem Smith as resident manager.

Boston, Mass.—Quinsler Carriage Works are preparing to commence the manufacture of bicycles made entirely of wood.

Boston, Mass. — Appleton & Bassett, Hardware and fishing tackle, have gone into bicycles, and are handling a high grade wheel known as "Appleton and Bassett's Special."

Brooklyn, N. Y.—Alex. Schwalbach Cycle Co., incorporated by Alex. Schwalbach, Edward Schwalbach, Jr., Arthur N. Jervis, of Brooklyn; to deal in wheeled vehicles, including bicycles. Capital stock, $10,000.

Chicago, Ill.—Goldberg Bicycle Co., incorporated by Jacob B. Rohrer, H. H. Fielding and William D. Pickels; to manufacture bicycles. Capital stock, $100,000.

Chicago, Ill.—The Sterner Wheel & Sporting Goods Co., incorporated by Charles H. Sterner, Helen Waters and S. Masone Mek; to manufacture bicycles. Capital stock, $2500.

Chicago, Ill.—Norriss & Allister, wholesale jewelers, No. 116 State Street, have commenced the manufacture of bicycles, making the El Dorado.

Cincinnati, Ohio. — The Waltham Mfg. Co., of Waltham, Mass., have leased storeroom at No. 620 Race Street, and will make Cincinnati an important distributing point for the company's Western bicycle trade.

Cloverdale, Cal.—C. A. Yordi, bicycles, commenced business, having been appointed agent of the March bicycle.

Cleveland, Ohio.—Folsom & Booth, bicycles, opened new store at Erie and Superior Streets.

Cleveland, Ohio.—J. Callaghan & Son, Erie Street, bicycles, have been appointed agents for the Dayton wheel.

Eau Claire, Wis.—The Miner Spring Bicycle Co., incorporated, with George L. Wyman, president. F. M. Miner, vice-president and treasurer; George W. Smith, secretary, and Leroy H. Miner, general manager; to manufacture bicycles. The company will employ 200 men eventually. Capital stock, $50,000. Operations will commence about the middle of March with fifty men. The company will manufacture a spring bicycle saddle invented by Leroy Miner.

Elizabeth, N. J.— The Eldridge Bicycle Co. have opened new salesrooms and riding Academy in the Drake Opera House Building. The concern handles the Columbia and Hartford bicycles.

Fairfield, Cal.—M. R. McCloud, blacksmith, has taken up bicycles, and will do a repairing business.

Florence, S. C.—W. E. Elliott, liveryman, has added a bicycle department, and will sell and rent bicycles.

Fond du Lac, Wis.—The Fidelity Cycle Co., incorporated by Verner and Thomas Weeks, of Fond du Lac, and Gerritt W. Madison, of Chicago; to buy and sell bicycles at wholesale. Capital stock, $7000.

Healdsburg, Cal. — Gunn & Ferguson, Hardware, will take up bicycles, handling the Crescent wheel.

Mansfield, Ohio.—The Mansfield Machine Works have commenced the manufacturing of bicycle tubing.

Newark, N. J.—The Alsdorf Cycle Co. have moved into new and larger quarters at No. 518 Broad Street, and will confine themselves to high grade wheels.

New Haven, Ill.—E. B. Schenk, of Mt. Vernon, Ind., bicycles, has opened new store.

New York, N. Y.—The Jakobson Three-Wheel Tandem Attachment Co., incorporated by Max Jakobson, Louis Jakobson, Henry Gutman, Louis Segelsbaum and Max Brock, of New York City; to manufacture improvements and accessories of bicycles and other vehicles and light machinery. Capital stock, $10,000.

New York, N. Y.—S. B. Bowman Cycle Co., opening new uptown store at No. 123 West 125th Street. A Cleveland will be handled.

New York, N. Y.—R. H. Wolff & Co., bicycle manufacturers, have opened new bicycle store at No. 425 Broadway.

New York, N. Y.—Ide High Art Bicycle Co. have opened new bicycle store at No. 7 East Forty-second Street.

New York, N. Y.—F. Coates, dealer in bicycles and bicycle sundries, has opened new store at Nos. 100-102 Columbus Avenue.

New York, N. Y.—C. A. Warner & Co., manufacturers of light cycles, have opened new store at No. 69 West Twenty-third Street.

New York, N. Y.—The Long Island Rubber & Cycle Co. has been incorporated by A. L. Smith and A. S. Rogers, of Brooklyn, and John Larkin, of New York; to manufacture bicycles and rubber articles for use in connection with same. Capital stock, $50,000.

Niles, Ohio.—J. W. Eaton, Hardware, etc., is preparing to take up bicycles, and invites propositions from manufacturers of wheels and sundries.

North Liberty, Ind.—J. F. Price & Co., Hardware, are preparing to take up bicycles, and desire quotations and catalogues from manufacturers of bicycles and sundries.

Olympia, Wash.—Bilger & Going, Hardware, are preparing to add a bicycle department.

Oroville, Cal.—Harry Jacoby, bicycles, opened new place of business, and will do a sale, rental and repairing business.

Passaic, N. J.— The Middletown Cycle Co., incorporated; to manufacture bicycles.

Phoenix, Ariz.—The Tempe Drug Store has taken up bicycles, and has added a bicycle repairing department, with Milton Meyers in charge.

Plainfield, N. J.—The Union Tire Co., incorporated by Alexander E. Faber, Jr., and John Vetterlein, of North Plainfield, and Gilbert T. Rhoads, of Plainfield. The company will manufacture and sell vehicle tires. Capital stock, $30,000. The company will soon open a branch in New York City.

Plainfield, N. J.— The Climax Stopper Co., manufacturers of cork handles and bicycle sundries, will establish a branch office at No. 27 Beverly Street, Boston, with D. E. DeVoe as resident manager.

Pocatello, Idaho. — Wallin & Co. have opened new bicycle supply and general repair shop on Cleveland Avenue.

Rochester, N.Y.—Rochester Bicycle Combination Holder Co., incorporated by James Palmer, Jr., Harry C. Phillips and Ralph Plass, of Rochester; to manufacture bicycle holders, bicycle parcel receivers and other appliances. Capital stock, $20,000.

Santa Rosa, Cal.—C. E. Havens & Co. have taken up bicycles, and will handle the Tribune and Featherstone.

Seattle, Wash.—F. F. Merrill will establish a $20,000 bicycle plant.

St. Paul, Minn.—E. N. Van Bleck, bicycles, commenced business at No. 56 East Fifth Street, and will handle the Ben Hur wheel.

Tacoma, Wash.—F. P. Fentress, bicycles, has been reappointed agent for the Sterling wheel.

Washington, D. C.— Empire Cycle Co., P. Von Boeckmann, manager, has commenced business at No. 1819 Fourteenth Street, N.W., and will do a sales, rental and repairing business.

White Cloud, Mich.—The James Cycle Mfg. Co., of Chicago, have opened a factory for the manufacture of the Gladstone bicycle.

York, Pa.—Wilt & Cannon, bicycles, will open new store at No. 304 West Market Street, and handle the Columbia and Hartford bicycles.

Changes and Removals.

Little Rock, Ark,—H. S. Dukes & Co., bicycles, have moved into new store at No. 704 Main Street.

Minneapolis, Minn.— The J. F. Rivers Cycle Co., No. 627 First Avenue, S., has changed its name to the Northwestern Cycle Co., and has removed to new and larger quarters at Nos. 601 and 603 First Avenue. A manufacturing, sales and repairing business will be done. The company handle the Tribune, Peerless, Deere and Moline Special.

Ontario, Cal.—The Ontario Cyclery, Fred M. Hatch, proprietor, sold out to Williams Bros., who will continue the business.

Paterson, N. J. — Henry J. Sipp, Sipp Cycle Co., reported sold to Joseph B. Sipp.

Portland, Ore. — The Overman Wheel Co. have moved into larger quarters, occupying two spacious storerooms at No. 13 Sixth Street and No. 309 Alder Street.

Syracuse, N. Y. — Wm. Prettie & Co., sporting goods and bicycles, reported to have sold out.

Wabash, Ind.—Charles H. Rhoads, sporting goods and bicycles, reported to have been succeeded by Bennett & Grover.

Williamsport, Pa.— Demorest Cycle Co. reported to have dissolved co-partnership.

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"UPON the integrity of each individual part depends the value of the whole. The most powerful chain measures its strength with its weakest link."

We Recognize This Fact

as is shown by the construction of the



Iver Johnson AND Fitchburg Cycles,

in which you will find the most scientific Fork Crown ever devised; the first really good Crank Shaft Adjustment ever made—simple, positive and certain—a forged steel Crank Hanger and forged steel Crank and Axle in one piece, and many other improvements.

WRITE FOR A CATALOGUE

C. J. GODFREY,
11 Warren St, New York.
General Agent for New York, New Jersey and Pennsylvania.

Iver Johnson's Arms and Cycle Works,
FITCHBURG, MASS.

DUNDORE CYCLE CO., Limited.

First-class Wheels.

MANUFACTURERS

BICYCLES.

Modern Prices.

Apply NOW for Territory. READING, PA.

When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES
ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD BICYCLES

75.00
60.00
50.00
40.00

List Prices for 1896.

THE CRAWFORD MFG. CO.

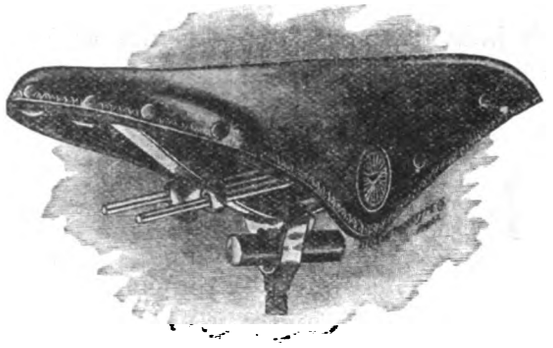
BRANCH HOUSES:
New York, 70 and 72 Reade St.
St. Louis, 608 North 4th St.

Factory and Main Office:
HAGERSTOWN, MD.

New England Agents, Bigelow & Dowse Co., Boston, Mass.

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NEW Principle ✳



1896 Models ✳

The Zenith Will Not Sag.

Can be made hard or soft in one minute without removing it from the wheel. . . . . .

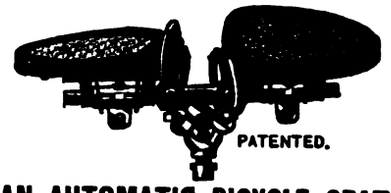
Light, Strong, Comfortable

STEEL SPECIAL RACING SADDLES

Beautifully Enameled, any color, to suit your wheel.

ZENITH CYCLE SADDLE CO.,

DISSTON BUILDINGS, Front and Laurel Sts. PHILADELPHIA, PA.



AN AUTOMATIC BICYCLE SEAT

that tilts in perfect harmony with the motion of the leg. It is in two sections, each independent of the other. It is the only seat that doctors say overcomes the defects and dangers of riding, such as chafing, numbness, and entirely relieves the sensitive parts.

Ask your Hardware dealer to show it, or send for particulars to the

Automatic Cycle Seat Co.,

Grand Rapids, Mich.



"TRENTON" CYCLOMETERS ARE THE BEST.

MADE OF ALUMINUM.

Light, Strong, and Accurate. Electrotypes supplied to the trade upon application.

TRENTON WATCH CO., Trenton, N. J.

Hunt

BICYCLE SADDLES

WESTBORO. MASS.

Request

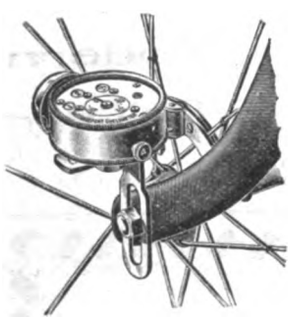
Your Manufacturers or Jobbers to deliver your Bicycles fitted with . . . . . .

Hunt Saddles and Tool Bags

If you desire first class goods.



Two-thirds size. Ten Thousand Miles, Not One Thousand. **Price, $2.** The American Cyclometer, plain as A, B, C. Read at a glance; after you read it no guesswork. Does not get out of order if you run it backwards like some others on the market. Not a Dinky Toy with steel parts so small that the dampness will rust the mechanism and eat away the small pivots. Not built just well enough to last three months, but built well enough to last at least five years. It goes on the right of fork so that you can put your lantern on the left, where they are usually made to go. AMERICAN CLOCK CO., 14-15 Tremont Row, Boston, Mass., U.S.A.



DING! THAT'S HOW THE BELL RINGS

On a Model "B"

BRIDGEPORT CYCLOMETER

At the end of every mile.

This Cyclometer registers 1000 miles accurately; repeats, can be set back to zero at will, and

Rings a Bell at Every Mile.

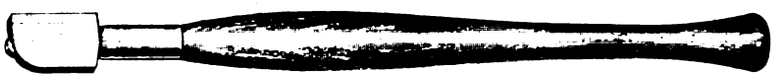
FULLY GUARANTEED.

Sold by all dealers at a low price. Discount to the trade upon application. Send for catalogue.

The Bridgeport Gun Implement Co.,

313-315 Broadway, New York.

GLASS CUTTERS



We want every hardwareman to know that our specialty is the manufacture of . . . **Rolling Steel Wheel Glass Cutters** and that we can make it worth money to them to handle our goods. Correspondence solicited.

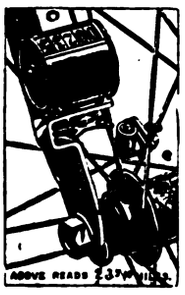
W. L. BARRETT, BRISTOL, CONN., U. S. A.

. . . STUB'S FILES. Hubert's French
TOOLS. EMERY PAPER.
STEEL. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST NEW YORK

ADDIS'S Carving Tools. TWIST DRILLS,
Chesterman's TAPS, DIES,
TAPES AND RULES. Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."



U. S. Cyclometers for Bicycles, Price, $1.50

U.S. CYCLOMETERS MODEL '96 DETACHABLE ODOMETERS and LAMP BRACKETS

FOR CARRIAGES.

10,000 MILES. WEIGHS 1¼ OUNCES. ONE INCH LONG.

Attaches on Right Side. Repeats or may easily be set. Reads Plainly from Saddle. . . . . Made for 20, 22, 24, 26, 27¾, 28, 30 to 46 inch Wheels. . .

Has an entirely new register action, a train of positive gears, simple and very strong, taking place of pawl system used in '95. . .

Guarantee Every U. S. Cyclometer guaranteed accurate. Should it get out of order accidentally or otherwise, will be repaired or replaced free of charge. . .

SEND FOR ELECTROTYPES AND PRICES.

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Rice, Lewis & Son, Ltd.
TORONTO, ONT.

U. S. Manufacturing Co.,
FOND DU LAC, WIS., U. S. A.

U.S. Odometer for Carriages. Price $2.

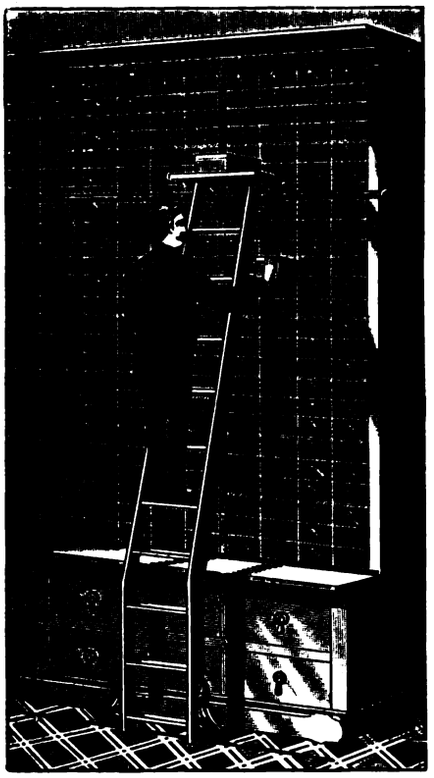


Registers 10,000 miles. Made for [illegible]. Give diameter when ordering.

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The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & CO., 80 John St.

WATCH THIS SPACE

FOR ANNOUNCEMENT OF

Keystone Bicycle Lamp

Made by

GEO. W. NOCK,

PHILADELPHIA.



A...

Bicycle

which is built on latest lines and advanced principles. No better made for any price. Sells for.....

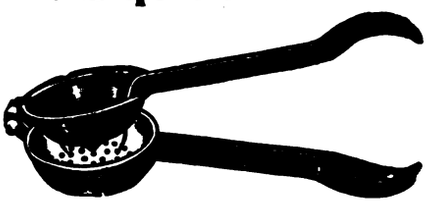
$75 Worth $100.

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QUEEN CITY CYCLE CO.

Buffalo, N. Y.

B Lemon B Squeezers

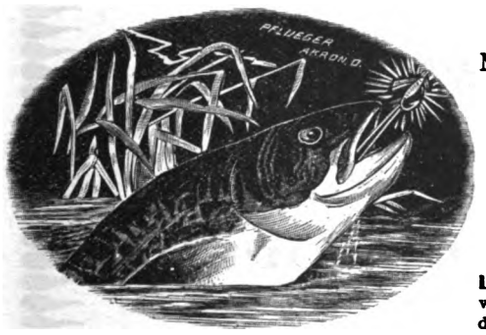


THESE Squeezers are strong, handy and well shaped for the use intended. . . Made of malleable iron, nicely tinned, in two sizes, 8 and 10 inches. Now is the time to order

BERGER BROS.,

PHILADELPHIA, PA.

Pflueger's Luminous Baits



Our 96-page Illustrated Catalogue mailed free for the asking.

Are recognized as the **GAME FISH KILLERS of the WORLD.**

Made in all desirable forms of lure, such as

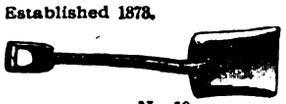
Trolling Spoons, Casting Baits and Spinners. Rubber Baits to represent all kinds of Insects, Frogs, Dobsons, Minnows. Flies, Leaders, Snells, Floats, Sinkers, Furnished Lines, Fly Cream and other allied Specialties for Fishing and Out-Door Sport.

Luminous Bait possesses the happy combination to Catch Fish in deep and roily waters, cloudy days and after dark; also is more effective than any other make for day use. . . . . .

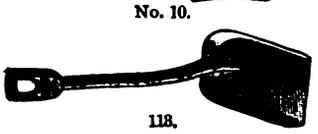
THE ENTERPRISE MFG. CO.,

AKRON, OHIO.

Established 1878.



No. 10.



118.

THE WYOMING SHOVEL WORKS,

MANUFACTURERS OF

Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.

Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.

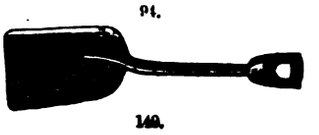
Office, WYOMING, PA. Works.

Catalogues furnished on application.

Incorporated June 29, 1893.



94.



149.

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Our

OF WHEELS

WERE selected with the idea of securing those most desirable for the **Hardware Trade** to handle. We seek our best agents among the Hardware Dealers, and that we have selected well is proven by the number of good and desirable agencies already placed. . . . . .

Style, Speed and Staunchness

Are a few of the good points embodied in our leader, the

SYRACUSE

A Bicycle that Leads the World for an Easy Seller.

KEEP YOUR EYE ON THE CRIMSON RIMS.

We Have Others Selling at

$100.00--$90.00--$85.00--$75.00--$65.00--$50.00--$40.00

Lots of Towns in the Country

SOME STILL OPEN.

Apply for Agency Now

Supplee Hardware Co.,

PHILADELPHIA, PA.

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Syracuse Bicycles

SPIN TO WIN.

Keep Your Eye on the Crimson Rims.

It always pays to buy the best and doubly so when the best costs no more than one not so good.

$100

THE CRIMSON RIM SYRACUSE WHEEL

is the highest type of standard high grade bicycles. Besides being one of the handsomest and prettiest wheels, it is the lightest and strongest.

There is but one Crimson Rim--
It is the SYRACUSE.

It will pay Hardwaremen to correspond with us.

Chas. J. Stebbins,

103 Reade Street, New York City.

Agent for Southern New York and Northern New Jersey.

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THE

Emblem Cycles

1896 Leaders

ARE BUILT TO RIDE.

Barrel Hubs, Wood Rims, Spokes and Nipples, in any quantity. . . . .

High Grade Wheels at a Medium Price.

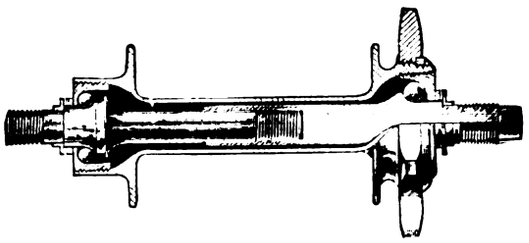
Apply **NOW** for Territory.

Send for Catalogue and Prices.

W. G. Schack,

641 } Main St. ◉ Buffalo, N. Y.
875 }

Truman Bicycles.



This is our Coneless Hub.

CAN YOU BEAT IT

FOR SIMPLICITY?

All our Wheels fitted with this Patent Hub.

Apply now for Territory.

Plenty of Material.

Deliveries Guaranteed.

ADDRESS,
(Cable or Mail,)

Truman,

Toledo, O.

THE CLEVELAND CYCLE

The Highest of the High Grade

$100.00

Just a Little Better

DESIGN
CONSTRUCTION
FINISH
STRENGTH
DURABILITY
BEARING
CHAIN
PEDAL
TIRES

Than Any Other Cycle.

BEST SELLING
BEST SATISFYING
BEST TRADE BUILDER
IN THE MARKET.

Address for Prices, Terms and Territory

H. A. Lozier & Co.,

BRANCH HOUSES:
337 Broadway, New York City,
830 Arch Street, Philadelphia, Pa.
304 McAllister Street, San Francisco, Cal.

CLEVELAND, OHIO.

IT PAYS TO HANDLE TEMPLE BICYCLES.

We have three factories in which we build separately High Grade bicycles, Medium Price bicycles and cheap wheels.

"It will pay you to carry one account."

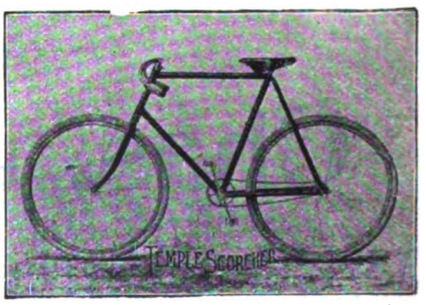
Our Bicycles are perfectly interchangeable in all parts and are the most

HIGHLY FINISHED WHEELS ON THE MARKET.

● LIBERAL DISCOUNTS ●

From the following list prices—"20 models":

$40, $50, $60, $70, $80, $100.



Discounts and terms cheerfully quoted to applicants for Agency.

Ralph Temple Cycle Co.,

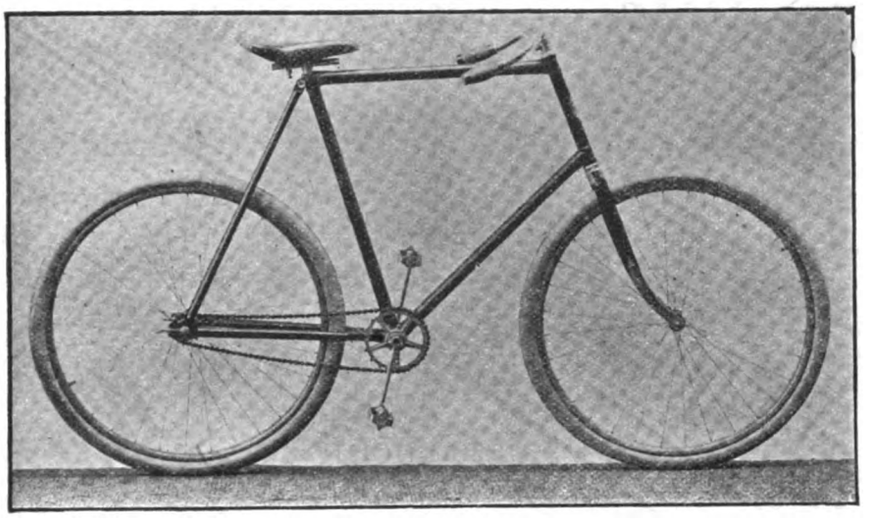
204 35th St., CHICAGO, ILL.

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ALL YOU WANT FOR 1896

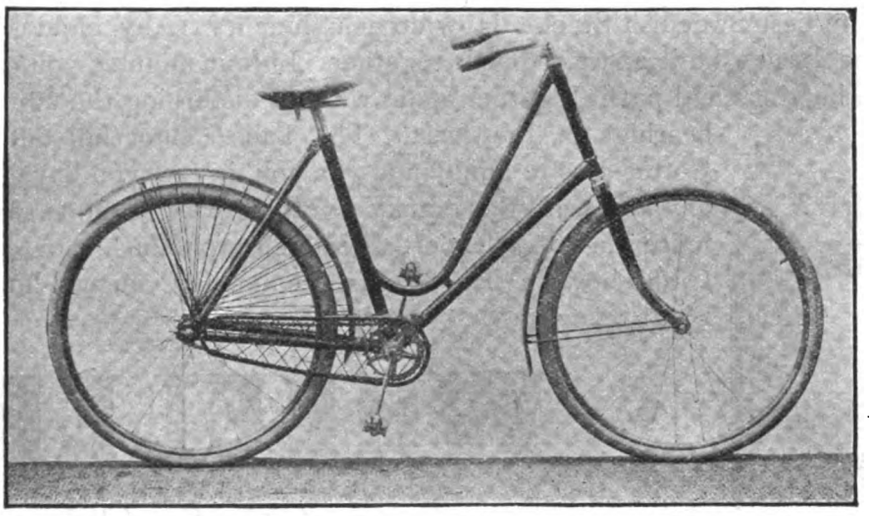
IS EMBRACED IN THE NEW LINE OF

CRESCENTS.



Up to date in design.
Fitted with all latest improvements.
Unrivaled in structural merit.
Of popular weights.
Of superb finish.

They must prove the most desirable line among agents and riders for the coming year. . . .
As the largest manufacturers of bicycles in the world our resources and facilities are such as to enable us to fill our agreements with agents—an important point. . . . . .



WE ARE ADDING TO OUR LIST OF AGENTS.

Western Wheel Works,

BUILDERS.

Factory, Wells and Schiller Sts., Chicago, Ill.

Eastern Branch, 36 Warren St., New York City.

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THE TINKHAM CARRIER

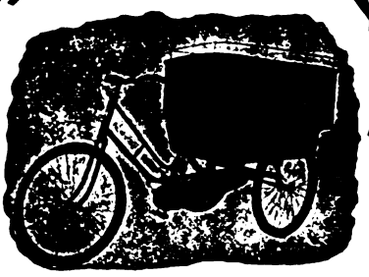
FOR

EVERYBODY.

For the Clothier

For the Butcher

MODEL A $150.



MODEL B $160.

For Dry Goods

For Wet Goods

A CATALOGUE FOR THE ASKING.

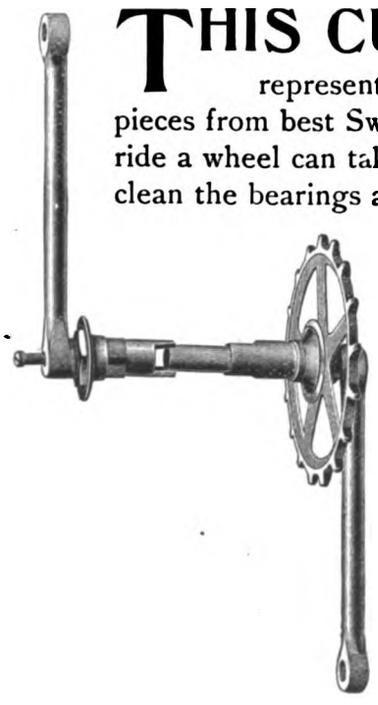
THE TINKHAM CYCLE CO.,

306-310 West 59th Street,

New York.

WE WANT MORE LIVE AGENTS.

THIS CUT



represents our **Telescopic Detachable Crank Shaft,** forged in two pieces from best Sweedish Steel. How do you like it? Any child old enough to ride a wheel can take it apart or put it together. In four minutes you can take it out, clean the bearings and put it together again without disturbing the adjustment of the bearings in the least. The balls cannot fall out, there are no Cotter pins to annoy and vex you, in fact you have no trouble of any kind with this crank. Nothing can be more simple—nothing more durable. Expert wheelmen pronounce it out of sight of any Crank now in use. Please remember you will find this Crank Shaft on every

WHEELER

Price $85.00

PATENT PENDING.

The Peer of Any Wheel on Earth.

Do not buy your '96 Mount until you have examined the Wheeler. We want Good Live Agents. It will be worth your time to write us for Catalogue and Discounts

The DEFIANCE BICYCLE CO.,

Defiance, Ohio.

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THE ONLY POSSIBLE CONCLUSION.

Why have **65** of the leading Bicycle Manufacturers of the country ordered

Sager Saddles

when they might have purchased any one of a dozen other makes for less?

Why were **281 Sager Saddles** shown at the Chicago Show, as against 191 of any other make?

Why were **252 Sager Saddles** shown at the New York Show, as against 168 of any other make?

Why do retailers specify Sagers?

Why do riders demand Sagers?

BECAUSE SAGER SADDLES ARE BEST.

SAGER MFG. CO.,

MAKERS OF THE MAJORITY OF HIGH GRADE SADDLES.

ROCHESTER, N. Y.

MAJESTIC

EVERY PART THE BEST THAT MONEY CAN BUY.

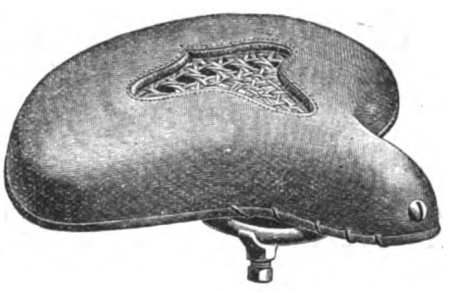
BICYCLES

T·E·U·T·O·N·I·C

$40.00 OUR JUVENILE LINE OF BICYCLES **$50.00**

HULBERT $5.00
Pneumatic Brake

Fits any Wheel. Does not injure tire. Practical, Simple, Effective.



MESINGER
Rattan Saddle

It's the Rattan makes it what it is.

Always keeps its Shape, healthful, Comfortable, Durable.

Hulbert Bros. & Co. 26 West 23d Street, NEW YORK.

Mfrs. Fire Arms, Majestic Bicycles, Mesinger Saddles, and Sporting Goods.

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Hardware Dealers

can net a good profit by handling **Bicycles** of recognized merit, having a well-established reputation. Unknown and inferior wheels are not profitable, even though the discount be unusually large. The . . . . . .

Remington Bicycles . .

like other **Remington Products,** enjoy a universal reputation for excellence and reliability. Eighty years' experience and up-to-date methods have brought the **Remington** to the front. . . . . .

Agencies are now being arranged in unoccupied territory. Handsomely Illustrated Catalogue, fully describing new models and their exclusive improvements, mailed free to any address.

REMINGTON ARMS COMPANY,

313-315 Broadway, New York City.

MONARCH

THE APEX OF BICYCLE PERFECTION.

IN our 1896 Models we have incorporated all the good things known to the best Bicycle Makers, including several features peculiarly our own. They are the crowning glory of our unparalleled success as builders of high-grade wheels—the concentrated extract of bicycle goodness.



WE also make **DEFIANCE,** the best of lower-priced wheels, especially adapted to the Jobbing Trade. Eight models for adults and children, $75., $60., $50 $40. Fully guaranteed.

Four Models,

$80 and $100

Agents Wanted.

Write for Terms.

Monarch Cycle Mfg. Co.

83 Reade St., New York. Lake, Halsted and Fulton Sts., Chicago, Ill.

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Wynnewood BICYCLES

Cannot be beaten for the money.

Model	R	$100.
"	M	$75.
"	L	$75.
"	Z	$65.
"	B	$60.
"	C	$60.
"	X	$60.
"	Y	$55.
"	D	$50.
"	F	$40.

Good Agents Wanted.
Catalogue now ready.

A. M. SCHEFFEY & CO.,
92 Reade St., New York.

MEDIUM GRADE
AND
HIGHEST GRADE.



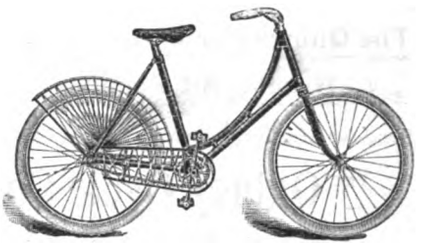
1896

Rochester Bicycles

Are a revelation to lovers of the Silent Steed.

Rochester Cycle Mfg. Co.,
ROCHESTER, N. Y.

PRICES
$75 AND $100



A GOOD HORSE
WITH POOR FEET,
NO HORSE.

A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

Our Tires Are All Right.

WE MAKE

Single Tube, Double Tube and Detachable Tires.

SPAULDING & PEPPER CO.,
Chicopee Falls, Mass.



FENTONS

Have distinctive features and marked improvements above any bicycle upon the market.

The Highest Attainment in Cycle Construction.

N. B.—Fenton Wheels have Blue Crowns.

FENTON METALLIC MFG. CO.,
JAMESTOWN, N. Y.

CYCLE CHAINS

If you Want the BEST Place Your Order With the

Indianapolis Chain & Stamping Co.,
INDIANAPOLIS, IND.

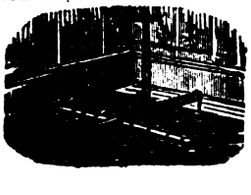
Roger B. McMullen & Co., General U. S. Sales Agents, 139 Lake St., Chicago, and 309 Broadway, New York City. John S. Leng's Sons' Co., 4 Fletcher St., New York City, N. Y. Depot. Elastic Tip Co., 370 Atlantic Ave., Boston, New England Depot. Western Rubber Co., 14 Fremont St., San Francisco, Pacific Coast Depot.

Camp's SUCCESS ANIMAL POKE



The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardwarejobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.



SICKELS, SWEET & LYON,

Office, 35 Barclay St., Warehouse, 40 Park Place, New York.

NEW YORK AGENTS FOR

Withington & Cooley Mfg. Co. Farming Tools,

RELAY · BICYCLES.

Cortland Door and Window Screens, Eagle Files,
Union Steel Screw Co. Wood Screws.

Spring Catalogue, No. 11, issued about February 10th.

SICKELS, PRESTON & NUTTING CO. Davenport, Iowa.

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Once Tried
Always Ridden.

The Quincy

THE only wheel on the market that is guaranteed for **more** than one year. It has Tool Steel Bearings, Adjustable Bars, Swell Forks, Double Bridge Crown. Large Tubing, Horizontal Lines and Handsome Finish.

The Quincy Perfection Tandem
Breaks All Records.

Send for Hardware discounts.

The Quincy Cycle Co.
QUINCY, MASS

THE WHEEL THAT DON'T BREAK.
Price, $75.00.





Mention "Hardware."

The Bicycle

Makes a Good Line, and

The Liberty

Makes a Good **BICYCLE**

HARDWARE DEALERS cannot afford to handle a wheel without a reputation; . . . . . *The Liberty* is

America's Representative Bicycle,

and its reputation extends from zone to zone.

Agencies placed in Unoccupied Territory.

The LIBERTY CYCLE CO.,
4 WARREN ST., NEW YORK.

WE INVITE CORRESPONDENCE

with the Hardware Trade, regarding agencies for the

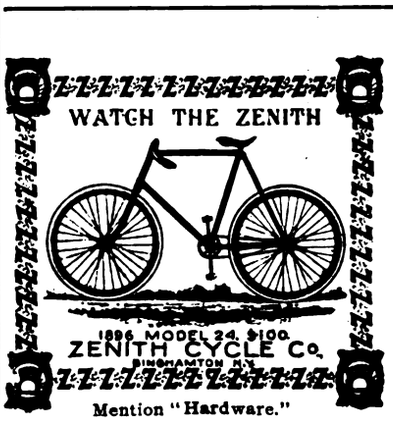
SHERMAN

A strictly **HIGH CLASS,** perfectly finished Wheel,

. . . . **Listed at $75.00.**

The Sherman Cycle Co.,

133-139 So. Clinton St., Chicago.



Mention "Hardware."

The "ZENITH"

has the following points of excellence: tool-steel bearings, absolutely dust proof barrel hubs, easily detached cranks, large tubing, reversible handlebar, narrow tread.

Write for Catalogue.
Agents wanted.

Zenith Cycle Co. Manufacturers,
Binghamton, N. Y.

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Your Business is Incomplete



If you have not added to it a line of high grade and reliable bicycles. True as this is, it is fully as true that nothing will so jeopardize your business and reputation as a line of unreliable wheels, whose only virtue may be cheapness. . . .

GOLD CRANK **FALCON** BICYCLES

Are well and favorably known from Maine to Texas. A **FALCON** agency contract is as good as greenbacks. . . .

Write for Catalogue and Discounts

The Yost Mfg. Co.,

Yost Station. TOLEDO, OHIO.

Experienced AND Progressive Dealers

are looking for a wheel for the **present and future.** Not a bicycle of the **past.** Because a wheel was popular when riders were satisfied with a **forty pound roadster** it does not follow that it is up to the mark **to-day.**

The DAYTON

Is a Modern Wheel,

right in line with the ideas and demands of **up-to-date dealers** and riders, one which attracts attention, favorable comment and **trade** wherever shown.

REMEMBER! 1 1-4 inch tubing not swaged.

The Davis Sewing Machine Co.,

Dayton, Ohio.

338-340 Wabash Ave., CHICAGO. 76 Reade St., NEW YORK. 159 Tremont St., BOSTON.

AGENTS WANTED IN TERRITORY NOT ALREADY CONTRACTED.

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Lovell Diamond Bicycles.

STRICTLY HIGH GRADE.

$100.

Lovell Excel Bicycles,

MEDIUM PRICE.

$40 to $75.

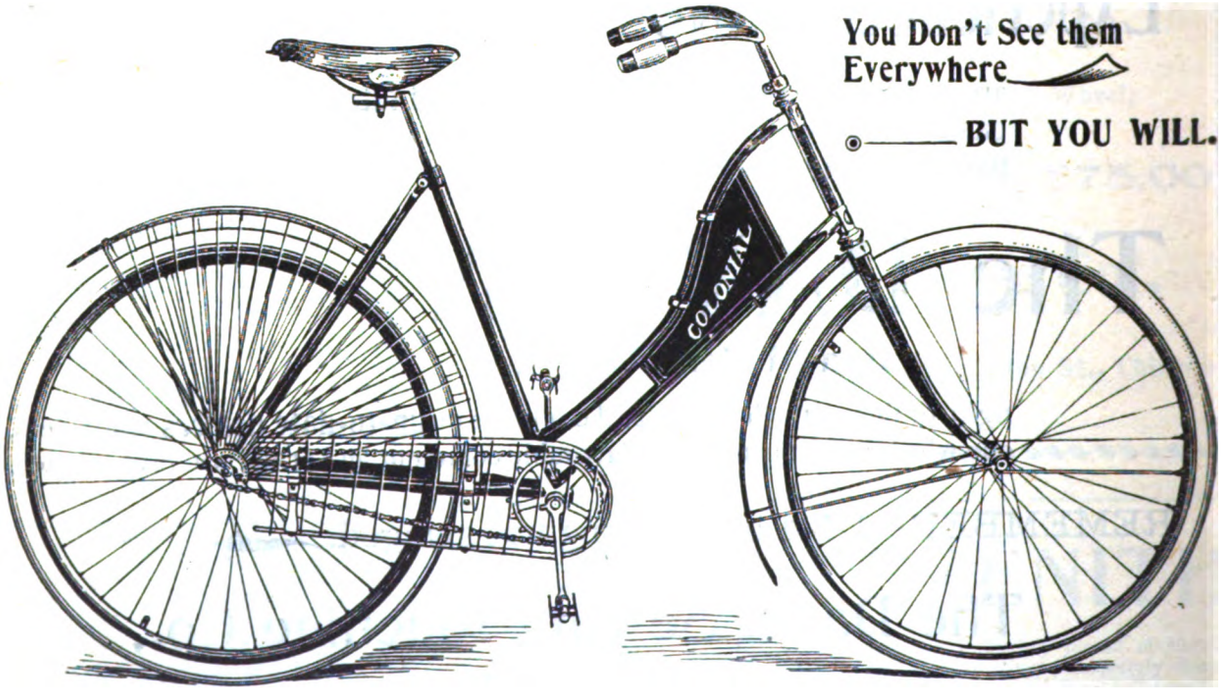
APPLY NOW FOR '96 AGENCY.

John P. Lovell Arms Co.,

BOSTON, MASS.

The Colonial

Recognized as the SOCIETY WHEEL



You Don't See them Everywhere

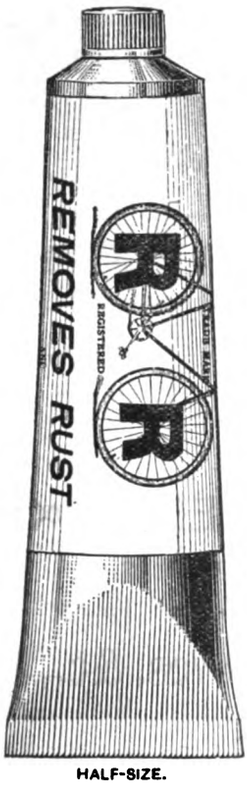
BUT YOU WILL.

JOHN McCLAVE & SONS, MAKERS,

602-604-606 W. 22d ST., New York City.

Sal: sroom, 371 Fifth Avenue, Southeast corner of 35th Street.

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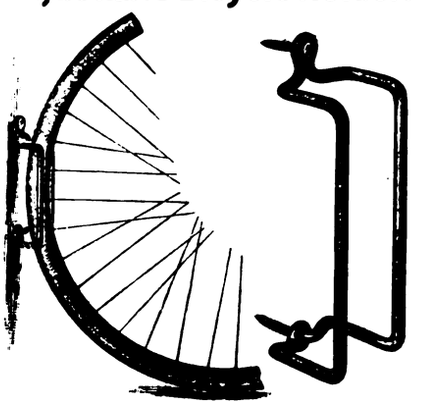


HALF-SIZE.



HALF-SIZE.

Adjustable Bicycle Holder.



Holds wheel securely at right and left angles and straight.

Perfect Toe-Clip.



Manufactured by G. W. COLE & CO.

JOHN H. GRAHAM & CO., General Agents,

113 Chambers St., - - New York.

THE SECOND ANNUAL

Sportsmen's Exposition

Under the auspices of the **SPORTSMEN'S ASSOCIATION** at

Madison Square Garden, - New York,

March 16th to 21st, 1896,

Promises to be the most complete and interesting exhibit of Sportmen's goods and appliances ever held.

Intending exhibitors who have not yet secured space for their exhibits, should apply at once for diagrams, application blanks, and particulars, to

FRANK W. SANGER, Mgr.,
Madison Square Garden, New York City.

• • REDUCED RAILROAD RATES. • •

The Trunk Line Association have granted to all accredited delegates to the Annual Convention of the Sportsmen's Association, March 16 to 21, 1896, a reduction in railroad rates, by virtue of which a round trip is one and one-third of the regular rate on certificate plan. For particulars, address HARRY C. PALMER, Secretary, 146 Potter Building, Park Row, NEW YORK CITY.

Among those to whom spaces have been awarded and reserved thus far are the following:

E. I. Dupont de Nemours & Co.
Overman Wheel Co.
H. H. Kiffe Co.
Obrig Camera Co.
Recreation Publishing Co.
Francis Bannerman.
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Cleveland Target Co.
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Wm. Mills & Son.
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Daimler Motor Co.
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Everybody Wants Them!



So that if you have not already secured the agency of our CELEBRATED line of

"Gem" Gasoline Stoves

for the season of 1896, you had better do so AT ONCE, as they are HANDSOME, CONVENIENT, ABSOLUTELY SAFE, ECONOMICAL, LABOR-SAVING, and the ORIGINAL COST FULLY ⅓ less than the regular stoves, and consuming ¼ less GASOLINE, yet doing THE SAME AMOUNT OF WORK.

WE ALSO CALL ATTENTION TO OUR CELEBRATED

GEM OIL COOK STOVES

Which for QUALITY, STYLE and PRICE are UNEQUALLED.



THIS IS ALSO TRUE OF OUR

Extensive Line of Gas Ranges, Stoves, &c., &c.

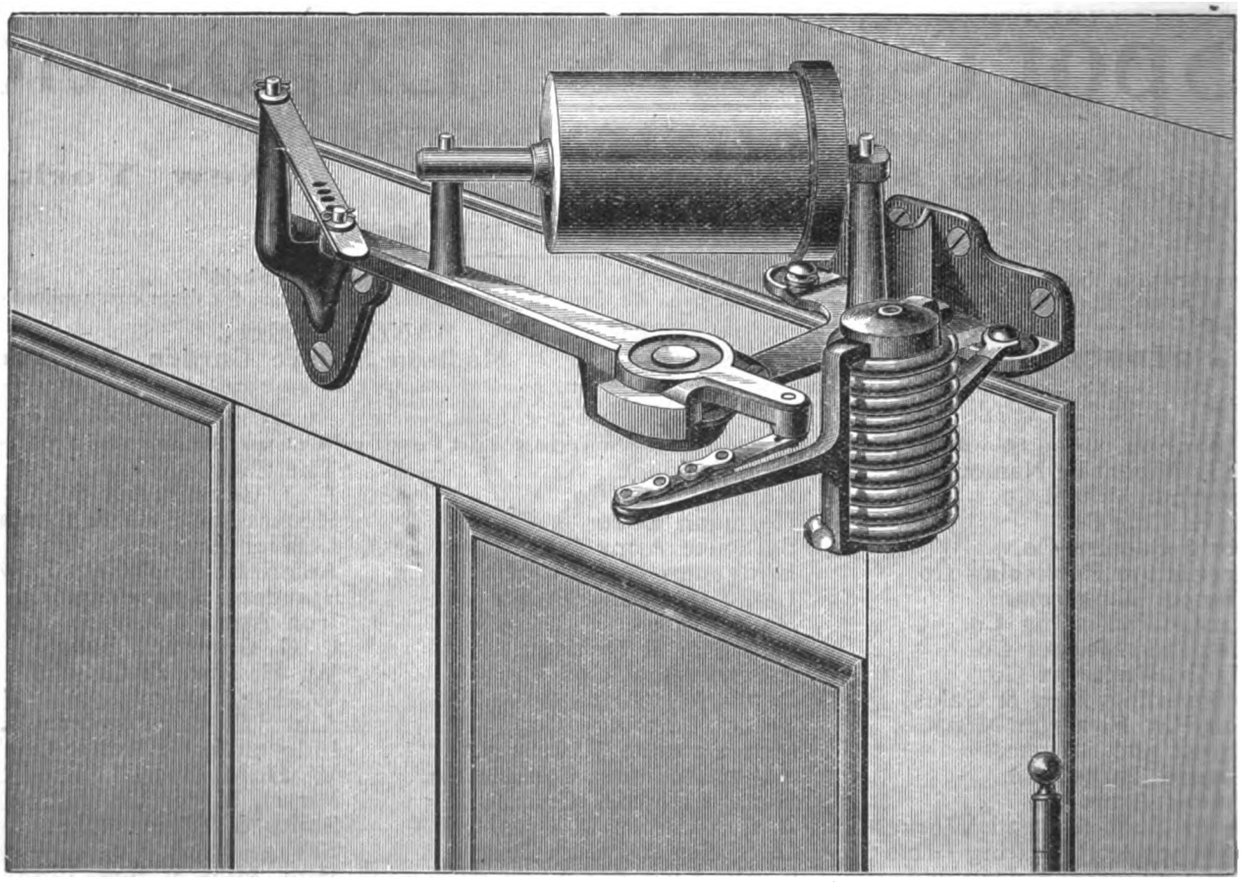
For further information, send for catalogues, circulars, etc., to

The Dangler Stove & Mfg. Co.,

CLEVELAND, OHIO.

TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

"HOME" DOOR CHECK AND SPRING COMBINED.



Nos. 100 to 104 and 120 to 124. Patented.

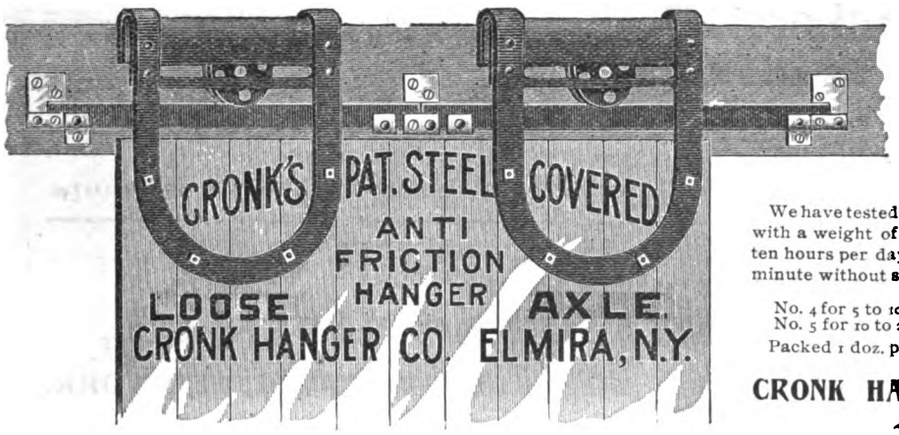
RUSSELL & ERWIN MANUFACTURING CO.,

SOLE MAKERS.

NEW BRITAIN, CONN. - NEW YORK. - PHILADELPHIA. - BALTIMORE. - LONDON.

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CRONK'S ROLLER BEARING BARN DOOR HANGER.

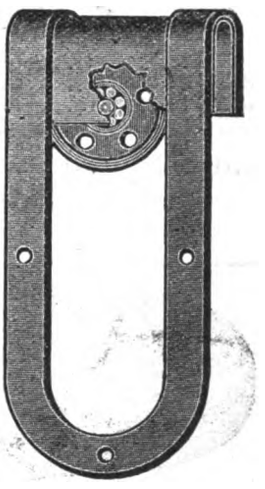


THIS HANGER is made heavy, and as shown by cut has roller bearing, same as high-priced Tackle Blocks, will run a door any distance, and we guarantee them to last a lifetime.

We have tested the rollers for one year with a weight of 3,000 pounds, running ten hours per day at 60 revolutions per minute without showing any wear.

No. 4 for 5 to 10 ft. doors $18.00 } dis.
No. 5 for 10 to 20 ft. doors 26.00 }

Packed 1 doz. pair in a case.



CRONK HANGER CO.,
ELMIRA, N. Y.



House... ...Goods Supplies.

ESTABLISHED 1867

Hartrick & Carter Co.
Electrical Supplies.
125 South 2d St. Philadelphia
Catalogues on Application

Send business card and mention "Hardware."

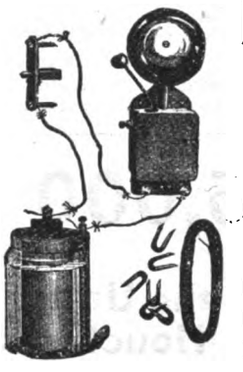
THIS TIME
IT IS

PUSH BUTTONS

Round Wood - - -		$5.00 per 100
" Bronze - -		11.00 per 100
Oblong "	2 x 4 -	23.00 per 100
	2½ x 5	3.35 per doz.

WATCH THIS SPACE.

J. JONES & SON,
Wholesalers and Manufacturers of
Electric Supplies,
67 Cortlandt St. NEW YORK.



Electrical House Goods

For the Hardware trade.

BELL OUTFITS,
PUSH BUTTONS,
BATTERIES.

THE Hardware trade is rapidly taking up the Electrical business. You should investigate.

WRITE FOR OUR GENERAL CATALOGUE.

WESTERN ELECTRIC CO.,
CHICAGO. NEW YORK.

Our 1896 Catalogue

Will be Interesting. Full of Good Things . . . . .

ELECTRICAL.

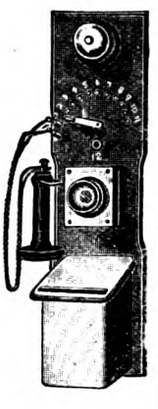
Send us your name.

Stanley & Patterson,
General Electrical Equipment Supplies,
32 and 34 Frankfort St.,
NEW YORK.

TELEPHONES

For Your . . .

Factories,
Stores,
Offices
and
Exchanges.



We make the
BEST

Send for Our Catalogue.

The Union Electric Co,
15 High St., Cleveland, O.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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O. W. Clapp. Dwight O. Clapp.

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BRANCH OFFICES { 277 Broadway, cor. Chambers St. / 621 Broadway, cor. Houston St. / 753 Fifth Ave., cor. 58th St. / Mercantile Ex. Bldg., cor. Hudson & Harrison.

Bankers AND Brokers,
Mills Building, New York.

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Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



KEUFFEL & ESSER CO.,

Manufacturers of **MEASURING TAPES, Etc.,**

BRANCHES:
111 Madison Street, Chicago.
708 Locust Street, St. Louis.

127 FULTON STREET, NEW YORK.

The **Home** Steel Tape is intended to supersede woven tapes (metallic or linen) by reason of its incomparably greater accuracy and its very low price. The **Home Tape** has a red bent **sewed leather case,** with **brass-lined mouth piece, with anti-friction roller.** The folding brass handle is practically flush. The steel line is ¼ inch wide, and sharply and plainly graduated. The graduations and figures are bright, while the ground surface is nearly black. It is to all appearances a **First-Class Steel Tape,** but it is not to be compared with our well-known Excelsior steel tapes. Woven tapes are used on account of their very low cost for many purposes for which a more reliable tape ought to be employed, like in the building trades, construction and railroad work, etc. The low priced **Home Steel Tape** will therefore be welcomed as meeting a frequent requirement.

HOME STEEL TAPES.—Feet divided to inches and 1-8 inches:

25 feet.—No. 80, $24.80 doz. **75 feet.—No. 82, $56 40 doz**
50 feet.—No. 81, $42.00 doz. **100 feet.—No 83, $72.00 doz.**

We can furnish these tapes also with feet divided to 1-10 and 1-100.

Liberal Discounts to the Trade.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
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HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & Insect Powder Guns and Bellows, &c.

TWO FAVORITES.

The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-65 Remington, and 38-.55 Marlin and Ballard. Made to order only.



THE REMINGTON HAMMERLESS.
Ten Styles.

Remington Bicycles are everywhere.

Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

REMINGTON ARMS CO.,
Works ILION, N. Y. New York Office Bicycle Dept., 313 and 315 Broadway.

TRIBUNE BICYCLES.

The Best in The World.



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THE BLACK MFG. CO.,
Erie, Pa.

Patent Perfection Padlock.



EIGHT TUMBLERS ◉ KEY TURNING BOTH WAYS.

Sizes, ¼ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅝ inch Padlocks, in brass and nickel, for cats and small dogs, and combined with 4 inch chain to make the Perfection Key-holder. The 1 inch Bicycle lock with 15 or 31 inch chain has no equal. The best Railroad and Car Lock in the world. Adopted by the United States Treasury and bonded warehouses.

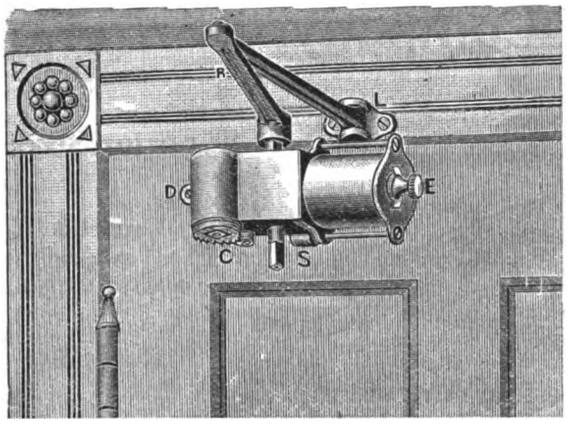
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AMES SWORD CO.,
CHICOPEE, MASS.

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PATENTED SEPT. 11, 1894.

The New Royal Door Check & Spring

Excels All Others.

PRICE LIST:

	Each.
No. 1. Light Screen Doors,	$2.40.
No. 2. Small Inside Doors,	3.80.
No. 3. Large Inside Doors,	4.80.
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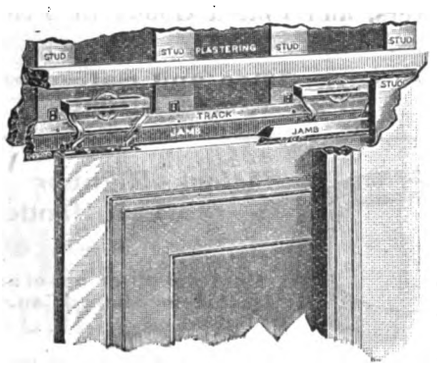
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The ROYAL has a Compressed Air Check.

For Sale by All Leading Jobbers.

W. H. QUINN & CO.,
103 Chambers St., New York

Stearn's Steel Parlor Door Hanger



IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

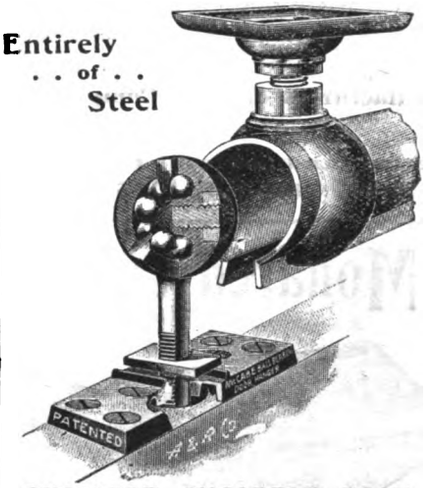
"The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw."

E. C. Stearns & Co.,

Send for Circular and Price-List. Syracuse, N. Y.

McCabe Ball Bearing DOOR HANGER

Entirely . . of . . Steel



SIMPLEST, CHEAPEST, BEST.

Adjustments above and below the track without removing the door.

After trying this you will use no other.

Send for catalogue or order a set at once and see why it is without an equal.

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No. 535 West 22d St., - - - - NEW YORK

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.



If you want to live



A long life free from accidents . . . .

You will buy the

Patent Bent Rung Ladder

They are the

Strongest and Lightest Ladder on Earth.

A six-foot single step ladder will carry 700 pounds, and a double step ladder 1,000 pounds. A boy can take down and put up a sixteen-foot extension ladder. A man can hold an eighteen-foot ladder out at arm's length in one hand. Our step ladders will not come apart or break. They are made to last forever.

Write for prices and discounts.

Indiana Ladder Company,
INDIANA, PA.

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The Derby Razor Company,

Manufacturers of
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Safety Razors.

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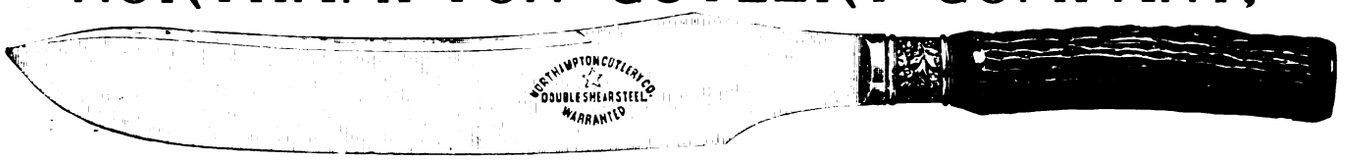


Made of a
...Superior Steel
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Fully Warranted.

New York Office,
..64
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Made in America by Americans for Americans.

NORTHAMPTON CUTLERY COMPANY,

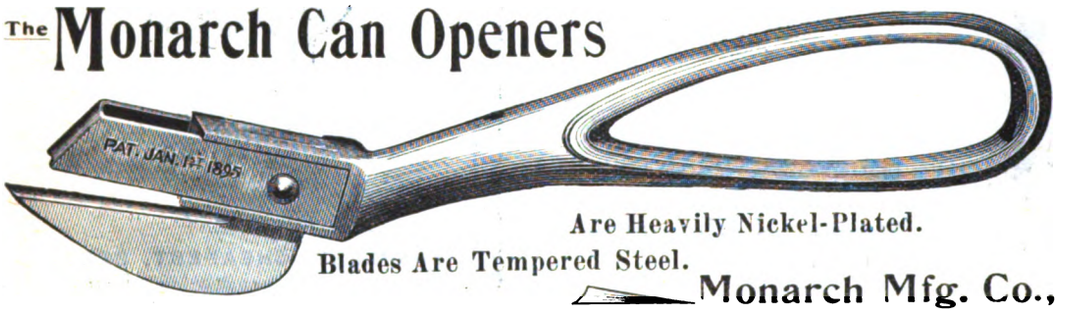


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Northampton, Mass.

New York Office and Salesroom.
96-98 Reade Street.

The Monarch Can Openers



Are Heavily Nickel-Plated.
Blades Are Tempered Steel.

Works Right or Left Handed

Cuts top off or out of any Size or Shaped Can.

Send for Sample and Prices or Quantity Wanted.

Monarch Mfg. Co., Meriden, Conn.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

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Established 1836.

ALFRED FIELD & CO.,

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Importers of

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WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

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The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

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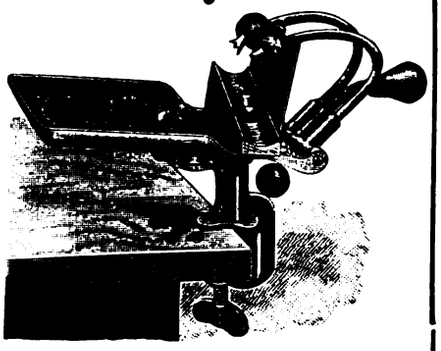
H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

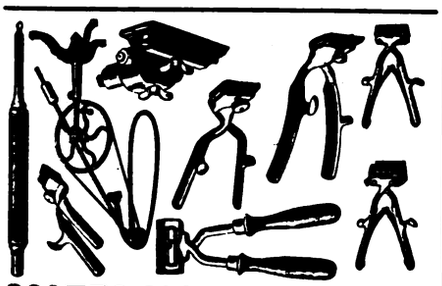
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The Family Cherry Stoner.



The only **Cherry Stoner** which removes the Stones from Ripe Cherries and leaves the fruit plump and round as it was before stoning. . . . . .

Sold by
Wholesale Hardware Dealers Everywhere.
Manufactured by
Goodell Company,
Antrim, N. H.



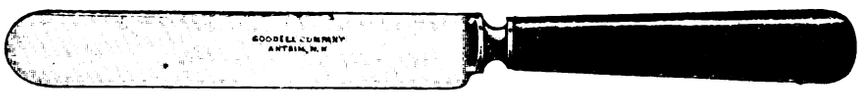
COATES CLIPPER MFG. CO.,
Worcester, Mass, U. S. A.
MAKERS OF
Hair Clippers
ALL KINDS UNDER THE
COATES PATENTS.
Power Clippers, both hand & mechanical.
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Barbers Adjustable,
The best made.

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contributes to success, without faith you will be blind to good results.
Advertise in
HARDWARE.

GOODELL COMPANY,
Manufacturers of **CUTLERY,**

We make about everything in the Knife line (pockets excepted) carried by the ordinary retail dealer.



In quality, finish, construction and general appearance our goods are second to none. Catalogue furnished any dealer applying for it.

—FACTORIES AT—
ANTRIM and BENNINGTON, N. H.
—OFFICE:—
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No. 77 Chambers St., New York, N. Y.
HENRY KEIDEL & CO.,
No. 25 Hanover St., Baltimore, Md.
M. G. RODEARMEL,
No. 516 Boston Block, Minneapolis, Minn.
G. W. HODGES,
708 Tacoma Building, Chicago, Ill.
C. A. MAYDWELL,
23 Davis Street, San Francisco, Cal.

New Line
of trimmings for
Window Screens
and Screen Doors.
Send for Catalogue.

NEW YORK, 96 and 98 Reade St.
PHILADELPHIA, 617 Market St.
CHICAGO, 73 Wabash Ave.
FACTORIES, Reading, Pa.

Reading . . .
Hardware . .
Company . .

GENUINE
CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.
"STAMPED WITH THE BUCK'S HEAD,"
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

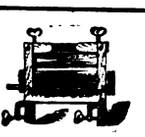


TRADE MARK

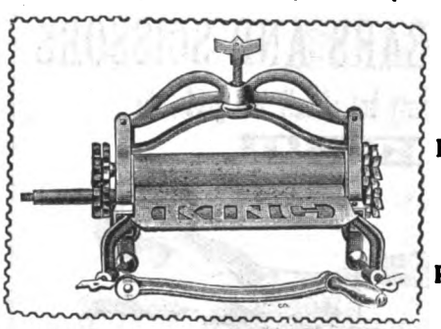

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BUCK'S HEAD.

WOOD AND IRON FRAME WRINGERS.



HIGH GRADE, WARRANTED.

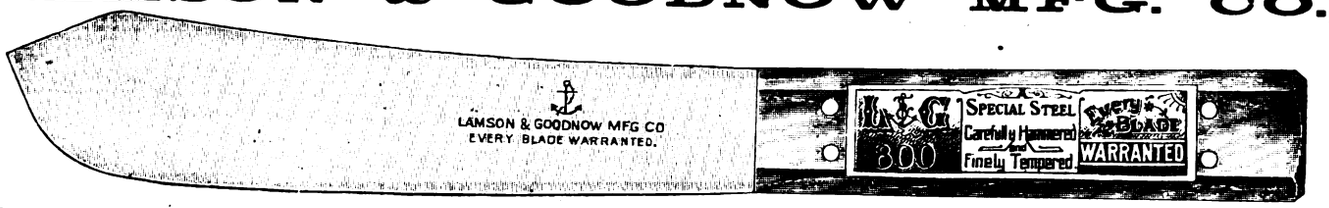




Before placing FALL ORDERS write us for our PRICES and TERMS.

NATIONAL WRINGER & MFG. CO., Canton, Ohio.

LAMSON & GOODNOW MFG. CO.,



Manufacturers of Fine Cutlery, Butcher, Druggists' and Painters' Knives, Celebrated Anchor Brand Carvers, etc.
FACTORY AND OFFICE, Shelburne Falls, Mass. **NEW YORK, 310 Broadway.** **SAN FRANCISCO, 132 Market Street.**

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THE
BEST BAILEY PLANES
ARE MANUFACTURED BY
The Samuel I. Goodall Company,
PHILADELPHIA, PA., U. S. A.





A Mistaken Notion.

It is a mistaken notion that a line store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

The Advent of Spring

Brings an increased demand for **CUTLERY.** Prepare to supply that demand by placing your orders now for the . . . . .

TRADE
NORTHFIELD UN-X-LD POCKET KNIVES.
MARK.

They are always reliable, will please your customers, and increase your trade.



N. B.—Write us and we will help you about it. . . . . .

Northfield Knife Co.
NORTHFIELD, CONN.

ESTABLISHED, 1835. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.
New York Office, No. 90 Chambers Street.



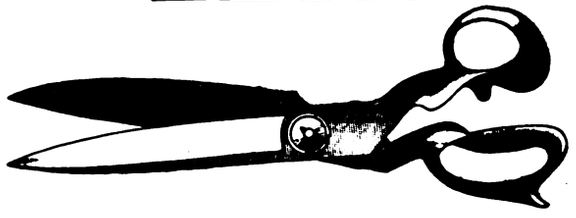
Tailors' Shears, Trimmers, Scissors,
Tinners' Snips, &c.

CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the
BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1892, and discount.

J. WISS & SONS, NEWARK, N. J.

NOW IS THE TIME

To place orders for

G. W. BRADLEY'S

Turpentine Tools, Bush Hooks,

Drawing Knives, &c., &c., &c.

Orders received will be shipped at times specified.

Underhill, Clinch & Co.,

SOLE AGENTS

94 Chambers St. - - - NEW YORK.

The Staff of Business.

BREAD IS THE STAFF OF HU-
MAN LIFE AND ADVERTISING
IS THE STAFF OF BUSINESS

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About the Wm. Rogers Manufacturing Company.

Half a century ago Wm. Rogers, founder of the now world-renowned Wm. Rogers Manufacturing Co., began the first successful manufacture of Electro Silver-plated ware . . . . . .
Since that time we have brought this product to absolute completion. And we still maintain it. . . . .

Here's the Brand

TRADE ROGERS TRADE

That Has No Superior, No Equal.

Wm. Rogers Mfg. Co.

Salesrooms and Offices, HARTFORD, CONN.

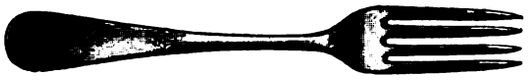
FACTORIES, Taunton, Mass. Norwich, Conn. Hartford, Conn.

Highest Grade of
Silver Plated Ware
In Spoons, Forks, Etc.
Manufactured by



Established 1840.

L. BOARDMAN & SON, East Haddam, Conn.

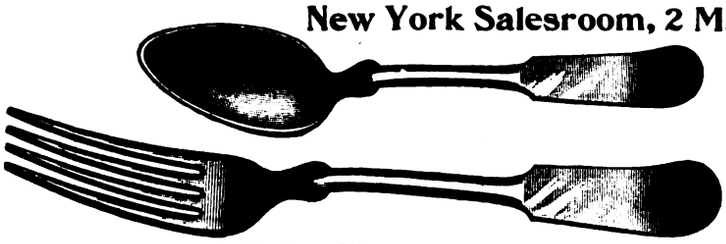


Also Nickel Silver Flat Table Ware and Britannia Spoons.
Write for Catalogue and Prices.

HOLMES & EDWARDS

Invite you to visit their

New York Salesroom, 2 Maiden Lane



A convenience to Merchants in the vicinity of New York. . . . .

Anything in Silver or Solid Metal Spoon line may be had.

Mexican Silver. Aztec Coin Metal. Gold Aluminum. . . . .

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO

Write

your jobber for quotations on these goods. They are a ready seller. If he has not the goods send us his name and we will send him quotations and simple box.



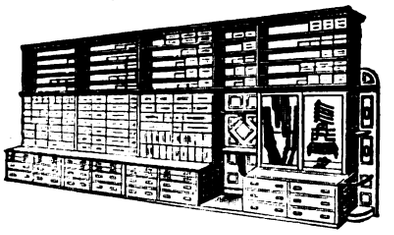
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WILLIAM N. MERRIAM 103 BEDFORD STREET BOSTON, MASS.

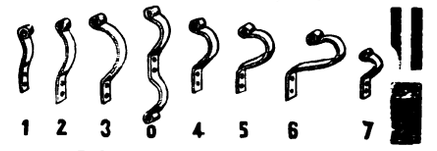
J. D. Warren Mfg. Co.

EASTERN OFFICE: 10 WARREN ST., N.Y. **CHICAGO, ILL.**





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Portable Hardware Shelving
Glass Front Hardware Drawers
Table Cutlery Cabinets
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Hardware Sample Holders
Automatic Rope Holders
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Order What You Want OF SAMPLE HOLDERS

Sent on Approval. . . .
Assorted ½-gross Boxes, $6.00 Gross, net.
Write for Circular of our Screw Case.

LIVE HARDWARE MEN USE
PERFECT SHELF BOXES.
WE MAKE
PERFECT SHELF BOXES.
WRITE FOR CATALOGUE AND PRICES.
C.P. MOORE,
RAVENSWOOD, W.VA.

Valuable Patent For Sale.

The Gokey Grinding and Calk Sharpening Machine.—The Walker Mfg. Co. offer the above patent for sale. Machines on hand, patterns and good will of the company here. Is a great chance for the right parties to make a fortune.

E. A. WORTHEN, Burlington, Vt.

"HARDWARE" has a field of its own.
That's Why
Advertisers get results.

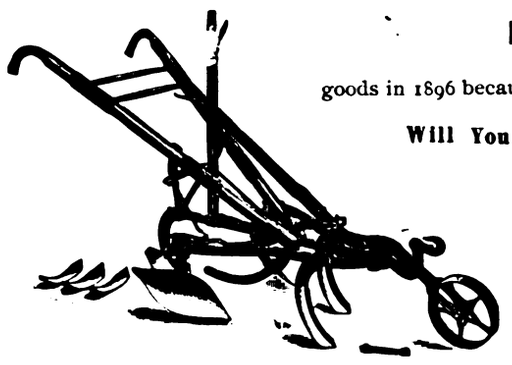
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Would IT INTEREST You?

Well, we think so, for our 1896 Catalogue describes our full line of . . . . . **Planet Jr.**

Seed Drills, Wheel Hoes, Harrows and Cultivators,

——————including several entirely **NEW** machines.



DEALERS will sell

PLANET JR.

goods in 1896 because it . . . . . **PAYS.**

Will You be One of Them?

S L. Allen & Co.

MANUFACTURERS,

Philadelphia, - - - Pa.

EVERY FAMILY WANTS ONE!

THE "FAMILY COBBLER"



Sample Outfit sent on receipt of **$2.00.**

A Household Necessity.

Contains the following articles: Iron Clinching Stand, with three reversible feet, Shoe Hammer, Shoe Knife, Pegging Awl and Handle, Large Bottle of Leather Cement, Large Bottle of Rubber Cement, Four Pairs of Heel Plates, Package of Pegs, Package of Heel Nails, Package of Clinching Nails for Men's and Boy's Work, Package of Clinching Nails for Women's and Children's work, and

THREE PAIRS OF HALF SOLES.

Securely Packed in wooden box with hinged lid. Weight 17 lbs.

No family can afford to be without one of these Outfits. Will pay for itself many times over each year.

For Sale By All Hardware and General Stores.

The Trade Supplied By Hardware Jobbers Generally,

or by **BRANDENBURG & CO.,**

Sole Proprietors of the "Family Cobbler," the "Family Harness mender," the "Bonanza" Half Soles, etc.

CHICAGO, ST. LOUIS,
KANSAS CITY, OMAHA, SIOUX CITY.

Agents Wanted. Send For Catalogue.

Sample Each, Cobbler and Harness Mender for $3.50.

Dumb Waiters..... that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

SEASONABLE GOODS FOR WHICH WE ARE AGENTS:

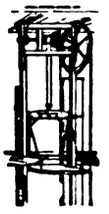
P. Lowentraut's Ice Skates,

Oliver Ames & Sons' Steel Snow Shovels,

Saugatuck Mfg. Co.'s Wooden Snow Shovels,

G. W. Bradley's Heavy Sidewalk Chisels.

Improved Quick and Easy Rising Steam, Electric and Hand Power



ELEVATORS

Send for Circulars.

Kimball Bros. Council Bluffs, Ia.
No. 1013 Ninth Street.

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BUFFALO, N. Y.

Manufacturers of

Bench Vises.

Price Lists sent on application.

Rhode Island Perkins Horse Shoe Co.,

Manufacturers of

HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

F. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.



Revolution in Washing Machines.

Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

The Champion Washing Machine Co.,

213-223 West Third St., Cincinnati, Ohio.



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THE GENUINE

PHILADELPHIA

LAWN MOWERS

ARE

GOOD machines.

BETTER than others.

BEST known.

WHY?

BECAUSE WE MAKE THEM

SO.

SEND FOR CATALOGUE.

The

PHILADELPHIA LAWN MOWER CO.

3107 & 3109 Chestnut St.,

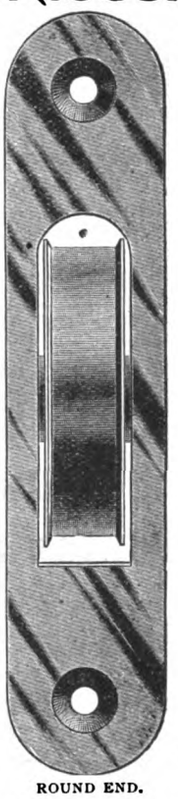
PHILADELPHIA, PENNA.

Ribbon Pulleys,

Chain Pulleys,

Cord Pulleys.

ALL Pulleys made with Round or Square Ends.



ROUND END.

Show Case PULLEYS.

Steel Sash Ribbon

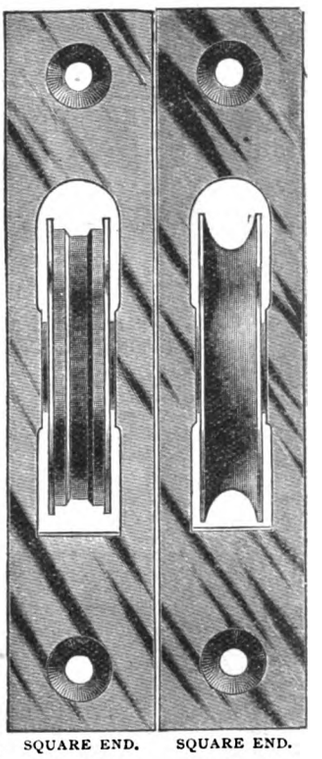
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For Descriptive Catalogue, Address

Gardner Sash-Balance Co.

312 First National Bank Building,

CHICAGO, ILL.



SQUARE END. SQUARE END.

CANTON GARDEN PLOW



SEND 15 CENTS FOR ONE OF OUR Miniature Gold PLOWS For Scarf Pin or Watch Charm

RETAILS FOR $5.00

WEIGHT 20 POUNDS.

THOUSANDS ARE IN USE

Pronounced as one of the best Garden Plows ever offered. Three Shovels and Rake attachment, Steel Wheels, Adjustable Frame. This cut illustrates the plow. We will ship you one

AT $3.75. A SURE SELLER.

Send for catalogue and circulars of Plows, Cultivators, Corn Planters, Harrows, Etc.

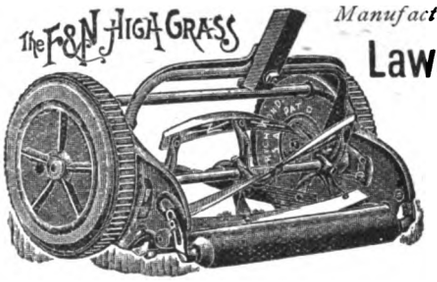
PARLIN & ORENDORFF CO. Mfrs. of Agricultural Implements,

CANTON, ILLINOIS.

Branch Houses-Kansas City, Omaha, St. Louis, Dubuque, Minneapolis, Des Moines, Dallas, Decatur, Ill.

LARGEST AND OLDEST PERMANENTLY-ESTABLISHED PLOW FACTORY IN AMERICA.

THE F. & N. LAWN MOWER CO.,



Manufacturers of

Lawn Mowers AND Grass Catchers

RICHMOND, IND., U. S. A.

"The F. & N. High Grass."

"The F. & N. Standard."

"The New Delight." Popular Favorite.

"The Razor Blade." Ideal Light Mower.

Best Material, Latest Improvements, Highest Class Workmanship.

Sales Manager, George B. Main,

No. 79 Reade Street, New York, N. Y.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

COLDWELL'S IMPERIAL

HAND AND HORSE LAWN MOWERS.

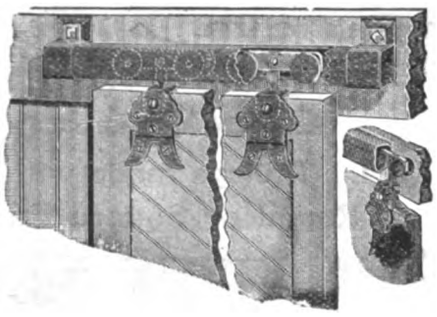
LAWN REQUISITES OF ALL KINDS.

Send for Catalogue

COLDWELL LAWN MOWER CO.

NEWBURGH, N.Y.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.



McKINNEY MFG. CO., Allegheny, Pa.

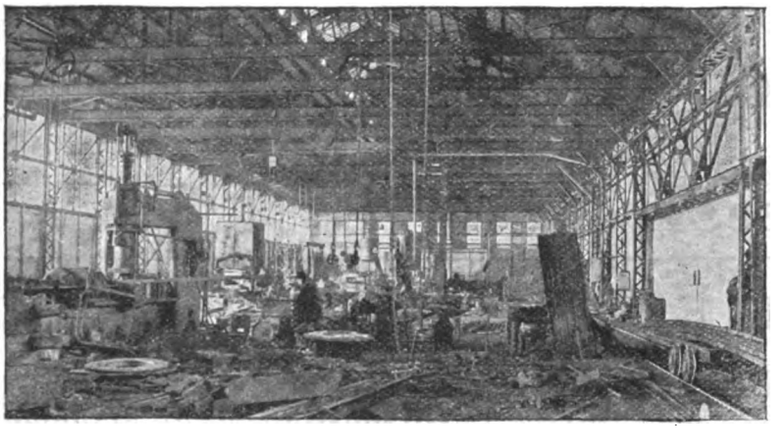
Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.



The above illustration was taken direct from a photograph and shows the interior of a new Forge Shop Building designed and built for our own use at East Berlin, Conn. The building is 60 feet in width, 300 feet in length and constructed entirely of iron and glass, no woodwork, except window sash, being used in the construction. The roof is covered with our Patent Anti-Condensation Corrugated Iron, and the building is lighted by high side lights and ventilator skylight. The interior of the building is ventilated by one of our improved ventilators extending the whole length of the building, with iron shutters on the sides opening and closing with cords from the floor. We believe this to be the most complete and perfect forge shop ever constructed, and invite examination.

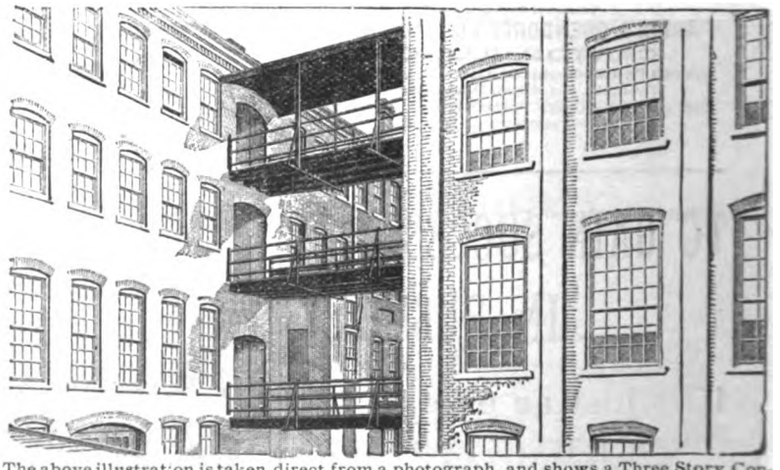
THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders of

Iron and Steel Buildings, Roofs,

Bridges, etc., etc.

Send for Illustrated Catalogue.



The above illustration is taken direct from a photograph, and shows a Three Story Connecting Bridge, designed and built by us for The Winchester Repeating Arms Co., at New Haven, Conn. When desired we can furnish these bridges entirely enclosed in corrugated iron. The connecting building being of brick—the bridge being of iron, and the door openings between the two buildings being covered with our corrugated Iron Fire-Proof doors—there is no danger whatever from fire communicating from one building to another.

Office and Works, East Berlin, Conn.

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NICKEL PLATING OUTFITS.

ZUCKER & LEVETT & LOEB CO
OFFICES, 526, 528, & 530 W. 25TH ST.
NEW YORK, U.S.A.

SEND FOR CATALOGUE OF
NICKEL & ELECTRO-PLATING
SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St.,
248 and 250 Pearl St.

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

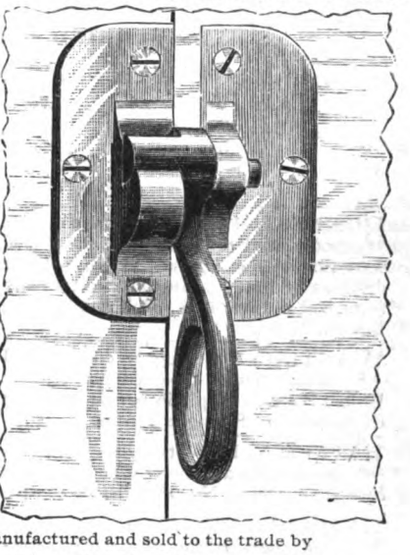
Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

BUCKETS PAILS

STANDARD FIBER-WARE COMPANY
STANDARD
TRADE MARK.
MANKATO, MINN.

f. o. b Your Station.

Our pails are larger than other makes, yet **cost no more.** Made of **strong fiber, wound,** and **steel bound,** they don't split open, nor chip off at edges. They have a **chime** you can **catch on** to, and a truss bottom that don't warp, loosen or leak.

All "Standard" Pails, Slop Jars, Spittoons, Wash Basins, etc. are **water-proofed** and **indurated throughout** by our newly applied process, and are **absolutely unsoakable.**

An **Ebony enamel,** hard and smooth, gives "Standard" ware an **attractive** appearance and a **durable** finish. **Scores of families** in every county will use it largely if it can be got "at the store." **Do you want their trade?** Lots of 100 lbs. or more, delivered f. o. b. cars, at their depot, to all responsible dealers.

CATALOGUES ILLUSTRATED.

WM. D. LITTELL,

7 Warren St., New York.

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All Genuine Yale Hardware bears this Trefoil Trademark

Y&T

The Yale and Towne Manufacturing Company.

SALESROOMS:

New York, 84-86 Chambers St. Philadelphia, 1120 Market St. Buffalo, Builders' Exchange.
Chicago, 152-154 Wabash Ave. Boston, 224 Franklin St. San Francisco, Mills Building.

GENERAL OFFICES: 280 Broadway, New York. WORKS: Stamford, Conn., Branford, Conn.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

BUSINESS MAN (Hardwareman preferred), with $5000, to keep books, and take charge of the finances in a well established Hardware Commission House. A great opportunity for a young man who is desirous of getting into business, and is willing to work. References furnished and required. Address "J. H.," care BURDITT & WILLIAMS, Boston, Mass.

WANTED—A thoroughly competent Hardware salesman to sell our patent line of table cutlery to the jobbing trade throughout the United States. Apply in person or by letter with references to the RUSH CUTLERY CO., Springfield, Mass.

EXPERIENCED cutlery and Hardware salesman wanted who can command trade in New York or Pennsylvania. Address S. & W., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION wanted in a Hardware store, wholesale or retail: five years' experience in Nebraska, five years in Pennsylvania. Good references. W. S. STITZER, Hotel Grand, Schuylkill Haven, Pa.

MONITOR lathe and screw machine hand. Young man, A1 on all kinds of work. Large experience on bicycle and electrical work. F. FRANK, No. 248 Walnut Street, Newark, N. J.

OFFICE assistant, 21, quick and accurare writer and figurer; best references; experienced and ambitious. Address HOFFMAN, No. 39 East 106th Street, New York City.

WANTED—By a young man of 25 a situation as salesman in a retail or wholesale Hardware store. Five years' city experience in Maine and Massachusetts. A1 references. J. A. Y., Box 208, Yarmouth, Me.

POSITION with manufacturing, wholesale or commission Hardware house, wanted by a thoroughly competent and experienced traveling salesman. Extensive Southern acquaintance. Unexceptional reference. Willing to go to any part of the country. Address "Marion," care of HARDWARE, 143 Chambers Street.

WANTED by a first-class practical metal pattern-maker in all its branches, one well up in ornamental work and a good chaser; have had nine years' experience as foreman in this line of work. Address W. W. W., No. 1462 Indiana Avenue, Chicago, Ill.

BY a young married man, 28 years old, sober, with twelve years' experience in a Hardware store. Can furnish personal references. Address L. F. S., No. 162 Massachusetts Street, Buffalo, N. Y.

BY a young married man, 23 years of age, to do any office work, keep books or help in stock. A1 reference. Salary, $12. Address S. A. E., care HARDWARE, No. 143 Chambers Street, New York.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

POSITION wanted as clerk in Hardware store; have had experience, and can give reference. Address F., No. 510 South State Street, Champaign, Ill.

A YOUNG man 30 years old, with nine years' experience in a retail Hardware store, now owning half interest in a Hardware business, wants a traveling position for some good house, Hardware or similar line. A No. 1 reference. Address "HARDWARE," No. 66 River Avenue, Allegheny, Pa.

WANTED—A position as salesman in a retail Hardware and farm implement store or all-around man, or a position as traveling salesman with good wholesale house of same lines. Would accept position in any territory. Have had ten years' experience in the retail implement business and two years in the Hardware. Speak English and German. Age 34; single. Can furnish best of reference. Address J. N. W., care HARDWARE, No. 143Chambers Street, New York.

WANTED—Inside or outside position by young man; has had ten years' experience in wholesale builders' and general Hardware. Address CORBIN, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—Position as store or road salesman; five years' experience in general store, Hardware and implement trade; first-class salesman; can give good references. A. P. AYER, South Columbia, N. Y.

WANTED by a practical metal pattern maker in all its branches, wishes to make a change on or after the first of the year, a competent designer and chaser on ornamental work, with executive ability to take charge of shop. Address MECHANIC, care T. J. Murphy, No. 1168 Indiana Avenue, Chicago, Ill.

POSITION with a wholesale Hardware house wanted, by a thoroughly competent and experienced traveling salesman. Best reference from present employers. Address R. V., care HARDWARE, No 143 Chambers Street, New York.

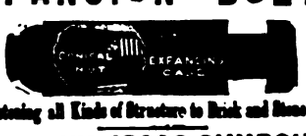
A SITUATION in a Hardware house wanted by a youth of 18; five years' experience. Good reference. Address J. R. B., care HARDWARE, No. 143 Chambers Street, New York.

MIDDLE-AGED man, intelligent, sober and honest, desires situation at Hardware business; willing to be generally useful; thorough knowledge of New York City. Address M. L. BROPHY, No. 42 Perry Street, New York.

YOUNG man (33), thorough knowledge in builders' and general Hardware, cutlery and kindred lines, desires position with jobbing, wholesale or export house; well posted in prices and goods; first-class accountant; A1 references. C. L., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position in wholesale or extensive retail house, by young married man, with about ten years' experience in retail store. Will be ready March 1st. Iowa preferred. Am good mechanic, and expect to work. Address W. L. J., care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH, Toledo, O.
Send for Catalogue.

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Situations Wanted.

POSITION wanted with large house by practical builders' Hardwareman (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa., Harriett & Kelly, East End.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

BY young man, 23 years of age, sixteen years' experience in Hardware, butchers' and grocers' supplies. Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

TRAVELER, sixteen years with one house and well acquainted with trade in New York, Pennsylvania, Ohio, Michigan and Canada, desires to hear of opening. T. M. W, care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with nine years' experience in cutlery business a position of salesman on the road. Address A. A. S., care HARDWARE. No. 143 Chambers Street, New York.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

HARDWARE salesman, sixteen years' experience wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

BY a young man with nine years' experience in the Hardware trade in New York City, desires position as store or outside salesman; best reference. A. J. H., No. 1039 Madison Street, Brooklyn.

WANTED—By man 33 years of age, some stock to buy in an established wholesale Hardware business, and by so doing secure position in same. Has been successful in the retail business. Can give best of reference. Address S. B. F., care HARDWARE, No. 143 Chambers Street, New York City, or Lock Box 396, New Cumberland, W. Va.

WANTED—Any manufacturer wishing to be represented in Ohio, Indiana and Michigan, will do well to correspond with me. Address J. T. H., care HARDWARE, No. 143 Chambers Street, New York.

Side Line Wanted.

TWO traveling salesmen want a line of goods to handle on commission; with fifteen years' personal acquaintance with the cycle, Hardware and toy trades, in Maryland and Washington. Reference given Address ENTERPRISE MFG. AGENT, Bond and Chase Streets, Baltimore, Md.

AN experienced salesman would like agency for any line of goods not represented in all, or any part, of New England. Satisfactory references as to ability, and reasons for seeking new position. Address "AGENT," P.O. Box 1077, Springfield, Mass.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman, twelve years with present house, wants line table cutlery, house-furnishing goods tinware, or A1 specialties, in connection with old line, for Michigan, Indiana and Ohio. Address M. I. & O., care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter house. Best of reference if required. Address W. S. BUCHANAN. Oakland P. O., Louisa County, Va.

Side Line Offered.

SIDE LINE or good specialty wanted for New England States by a young man now representing three New York concerns there and who has a large established trade among the Hardware, kitchen furnishing, wholesale drug and department stores. Address H. B., No. 29 Exchange Street, Boston, Mass.

WANTED—Thoroughly competent Hardware salesman to sell our line of specialties to the Hardware trade as a side line on commission. Address HERRICK MFG CO., Jackson, Mich.

WANTED—Salesmen to sell our Economy Drilling Compound and Neverslip Bar Belt Dressing; easy to sell; just the thing for a side line; salesmen who sell to manufacturers of metal products preferred. Write for particulars. THE WHITE & BAGLEY CO., Worcester, Mass.

SALESMEN for good line imported pocket knives and scissors as a side line on commission to retail trade in Ohio and Pennsylvania. "IMPORTER," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted to sell a side line on commission; Eureka safety wall pipe round, oval, square heater pipe and elbows. Write or call. THE PATERSON HEATER PIPE CO., care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE salesmen wanted in West Virginia, Maryland, New York and Virginia, to sell lubricating oils as a side line. BUCKEYE REFG. CO., Pittsburg, Pa.

WANTED—A bicycle or Hardware traveling salesman to handle A1 side line cycle sundries on commission. State references and territory. Box 235, Rochester, N. Y.

FIFTY salesmen wanted quick, to handle whips as a side line to best Hardware trade. Address U. S. WHIP CO., Westfield, Mass.

WANTED—Salesmen to sell on commission for the manufacturer, as a side line or otherwise, first-class lines of pocket cutlery, etc., in New York State and Pennsylvania. Also in Iowa and adjacent States. Address P. C., care HARDWARE, No. 143 Chambers Street, New York.

SIDE LINE—Hardware, stoves and tin. Good commission. Do you want it? "4769," Mercer, Pa.

SALESMEN wanted on commission to handle as side line or otherwise a line of leather cup valves, cylinder and plunger valves for pumps, etc. Address GEORGE OBERNE & CO., No. 383–401 North Halsted Street, Chicago, Ill.

SALESMEN wanted to sell an article weighing two ounces to the Hardware, grocery, coal and other trades. Used in every house. Commission on each sale $2.50 and up. R. K. TELLER, Unadilla, N. Y.

SALESMAN for paying side line, flatware, etc., selling to Hardware and general store trade. Commission. Address L. L., Room 55, No. 221 Fifth Avenue, Chicago.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

For Sale.

SCARCITY of game and stringent game laws leaves me about twenty-five single and double-barrel guns and a line of gun implements, flasks, etc., to sell at a bargain. Correspondence solicited. C. F. BALLARD, Washington C. H., Ohio.

RARE CHANCE—For sale, an old established general Hardware and house-furnishing store in New Jersey, a city of 18,000 population, within twenty-five miles of New York, doing a thriving business and located on the best business corner in the city. This business can be purchased for $17,000 cash. Address L., care HARDWARE, No. 143 Chambers Street, New York.

To Let.

A DESIRABLE office to rent with the Wilmot & Hobbs Mfg. Co., No. 2 Murray Street, New York. Steam, heat, electric light and telephone.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Rubber Agency Offered.

RUBBER HOSE, Belting, Packing, etc. Mineralized Rubber is better than Vulcanized at equal prices. Local and traveling agencies granted on uncovered ground. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

Agency for England.

GREAT BRITAIN—Salesman wishes to represent a specialty house desirous of placing their goods on the English market or in the South Atlantic States. Well-posted and first-class references in both countries. Address KITCHIN-MEAD, No. 2145 Seventh Avenue, New York.

WANTED, agency for England by a gentleman residing in Birmingham. Thoroughly acquainted with the Hardware trade; energetic, hard-working and most trustworthy. First-class reference. Agency in the bicycle fitting line especially wanted. Address "BIRMINGHAM," care HARDWARE, No. 143 Chambers Street, New York.

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THE
CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCKS ON EARTH.

UP TO DATE.

Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

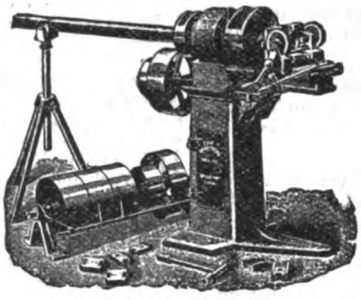
General Agents:
Topping Bros., New York.
Boston & Lockport Block Co., Boston.
Woodward, Wight & Co., Ltd., New Orleans.
Miller, Sloss & Scott, Inc., San Francisco.

PLACE
THE MATTER
CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

YOUR STOCK IS NOT COMPLETE
Without a Line of





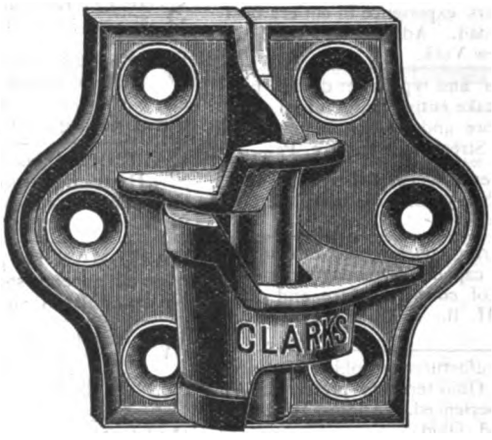
No. 2½ MACHINE.

The "ARMSTRONG"

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!



THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.
—NEW YORK OFFICE: 139 CENTRE STREET—

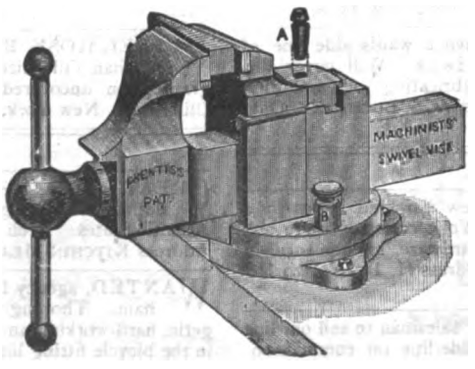


Full Size in Cut. No. 1 "Regular."

THE CLARK M'F'G CO.,
ORIGINAL AND ONLY
Manufacturers of the Genuine
"Clark's" Blind Hinges
All Imitations are Counterfeits.
Also Manufacturers of
Lull and Porter, O. S.; "Dixie" L. & P., and "Buffalo Reversible" Shutter Hinges; Gate Hinges and Latches, Sash Pulleys, Cast Loose Pin Door Butts, &c.
BUFFALO, N. Y.



ATHOL MACHINE CO.,
Athol, Mass., U. S. A.
Manufacturers of
Vises, Meat Choppers,
Mechanics' Fine Tools, &c.
Send for 1896 Catalogue.



PRENTISS' PAT. VISES
The Leaders for 20 Years.
Send for Illustrated Catalogue of
ALL KINDS OF VISES.
Prentiss Vise Company,
MANUFACTURERS,
44 Barclay St., New York.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890.40&10& 10@40&10&10&10.5%

GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.55
Buck and Chiled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$2.00
Dust Shot, 5-lb bags, ₩ bag ....$ .50

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 00 lb lots 10% discount.
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each..... .45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each..... .30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each..... .45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each..... .25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each..... .15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each..... .12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 1.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3 25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black..... $ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....₩ doz. $3.80
Galien Safety.....₩ doz. $3.75
Hartman's Pivot.....₩ doz. $4.75

Anvils—

Eagle Anvils, ₩ lb 9c.....15@15&5%
Peter Wright's.....1 @10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¼c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4 00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14 16	15-16	16 16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16		24-16
$10.00	$11.00	$13.00		$14.00

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist.....45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓&5
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10@ 45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood 40@ 40&10%
Syracuse, for metal.50&10&5@6 &10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@40&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg ₩ gr.....$1.50@$1.55
Pat. Peg ₩ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. ₩ gr...$1.30@$1 40
Handled Brad, ₩ gr.....$2.50@$3 00
H'ld Scratch ₩ gr.....$4.00 @$4.50
Socket Scratch ₩ doz....$1.10 @$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 42, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands. $7 25@5 50
First quality, other " $4.75@5.00
Beveled add 50c ₩ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½@50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 lb.....₩ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₩ doz. 75c 83c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%
Enterprise Barrel Jack Truck and Stand, each..... ...$5.00

Beef Shavers—

Enterprise:
Japanned, each.....$6.50
Tinned, each.....$7.50

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's.....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...6 ⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....₩ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....30%
Millers Falls ₩ doz. $4.50.....

Bit Holders—

Extension:
Millers Falls Barber's, ₩ doz. $15 40@40&10%
Ives' ₩ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..₩ doz. $3..33⅓@33⅓&10%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro. sets.....$5.50
Gorhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $1.00..20@20&10%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr....$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel ....60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65& 10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's. 60&7½&5
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com. Jan 30, '96.....65&12½&5
Genuine Eagle, list Oct. '94...80&5@ 80&10%
Phila.. Eagle, list $3.40.....80%
R. B. & W., old list.....70&10&8%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....67½&5
American Screw Co.:
Norway, Phila., list Feb. 26, 96.75%
Eagle Phila., list Feb. 26, '96....80%
Bay State, list Feb. 26, '95.....70%
B. R. & W., list Oct. 16, '94.....80%

STOVE AND PLOW—
Stove.....67½&5
Plow.....60&10&10@70%
R. B. & W., Plow.....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....67½&5

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.

	Upright.	Angular.
Douglass'	$5.50	$6.75.....50%
Snell's, Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'	5.50	6.75, 50@ 50&5%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50 ....
Millers Falls		7.50 .... 20%

Bow Pins—

Humason, Beckley & Co.'s 70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co.60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American.$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....70@70&7½%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%
Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....50@60&10%
Seymour Smith & Sons, low list...60%
Humason, Beckley & Co.'s.80@80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....35@30%
L. & I. J. White.....35%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....35%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....35%

Butter and Cheese Tryers—

Ordinary.....35%

Butt Gauges—

Stanley's.....60&10%

Butts—

BRASS—

Wrought Brass.....50&10@50&20%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Kell & Son...40%
Norwich Lock Mfg. Co. Bronze..3 %

CAST IRON—

Fast Joint, Narrow, 50@10&5@60&5 %
Fast Joint, Broad 50&10@50&10&10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned.....75&10@80%
Loose Joint, Jap. with Acorns, 75&10@80%
Parliament Butts.....70&10@75&5%
Mayer's Hinges.....70&10@75&5%
Loose Pin, Acorns.....70&10@75&5%
Loose Pin, Acorns, Jap. 70&10@75&5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....75&10@80%

WROUGHT STEEL—

List, April 1, 1895.
Narrow, No. 8 0.....
Narrow, Loose Joint, No. 803..
Loose Joint, No. 806.....
Reversible, No. 804.....
Broad, No. 806.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No. 818.....
Chest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 824.....
Extra Light, No. 826.....
Light Reversible, No. 824.....
Light Loose Joint, No. 836.....
Wardrobe, Ger. Pat. No. 887¾..
Light Narrow, No 838.....
Loose Pin, Light Nar., No. 840
Light Inside Blind, No. 842....
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut. Butts, No. 845
Light Inside Blind Edge Holes, No. 846.....
Light Inside Shutter, No. 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830 .....
Light Parliament, No. 833.....
} 75&5@75&10%

Can Openers—

Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $1.75@$2.00
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, iron Handle. ₩ gr....$2.20@2 25
Eureka.....₩ doz. $2.50.....10%
Sardine Scissors..₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star.....₩ doz. $2.75
New Sprague, Metallic Handles, ₩ doz.....50c
New Sprague, Wood Handles, ₩ doz.....60c
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....55&5%
Domestic, ₩ doz. $2.00.....45%
Champion, ₩ doz. $2.00.....50%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....20@25%
Cotton.....2 @25%
Wool.....2 @25%

Carpet Stretchers—

Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points.₩ doz.75@80c
Bullard's.....35&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....₩ doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27.00
Hall.....₩ doz. $48.00
Crown Jewel, japan finish, ₩ doz $19.00
Crown Jewel, silver bronze trimmings, ₩ doz.....$20.00
Crown Jewel, nickel trimmings ₩ doz.....$21.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Standard.....₩ doz. $24.00
Bissell's Child's Sweeper ₩ doz.....$8.00

Casters—

Bed.....
Plate.....
Shallow Socket.
} 80&10@60&10&10%
Deep Socket.....60%
Martin's Patent(Phœnix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50%
Yale Gem.....70&10%
Giant Truck Casters.....25%
Stationary Truck Casters.....50&10%
Socket Truck Casters..45&10@ 5& 10&10%
Swivel Truck.....80&10&10%
Store.....55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screw Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....66⅔%

COW TIES—

American.....80&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Steel.....33⅓%

Chain—

American Coil, in cask lots at fact 3.16 ¼ 5-16 ⅜ 7-16 ½ ⅝ ¾ $6.75 5.00 4.00 3 75 3.50 3.40 3.30 3.15 Less than cask lots, add ¼c @ ½c ₩ lb.
Trace, Wagon and Fancy Chains, 60&10&1 @70%
Covert Mfg. Co.....45%
German Coil.....70@70&10%
German Halter Chain....70@70&10%
Oneida Halter Chain.....60@60&10%
Covert's Halter Chains.....45&5%
Covert's Heel Chains.....45&5%
Covert Mfg. Co. Chains.....45%
Covert Saddlery Works:
Breast Chain.....60&2 %
Hitching Chain.....6 &5%
Rein Chain.....60&20%
Galvanized Pump Chain, with Buckle s.....6¼@6½%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers.....60%

Cherry Stoners—

Enterprise.....37½

Chisels—

SOCKET FRAMING AND FIRMER -
P. S. & W.....
Winslow Edge Tool Co.
Ohio Tool Co.....
Swan.....
Sag Harbor Tool Co....
Jennings & Griffin Mfg. Co.....
Mix.....
} 75@10&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$4.75@$5.00 to $
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....75&10&10%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold Chisels, fair quality ₩ lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each $8.00.....30%
Morse's Adjustable, each $7.00 20@30&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....50%
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....35%
Barber.....35%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.35%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....35%
Adjustable, Cincinnati.....35&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 50&10%
Carriage Makers', Sargent's..50& 10@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .....3 &10%

Cleavers—

Foster's.....20%
Jennings & Griffin 40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.00
Clarke's (Imported).....3.50
Albion L (for left hand)....3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..60&10&5 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....80&10@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's New Box Mills, Ideal Brand, New List.....60@60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.....25%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....25%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@20&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's.....33⅓%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....33%
Samson.....₩ doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N. R. G. Gloves...₩ doz. $13 00
No. 125 Gloves.....₩ doz. 4.50
No. 135 Gloves.....₩ doz. 6.00
No. 151 Gloves.....₩ doz. 9 00
No. 55 Gloves.....₩ doz. 8.00
No. 46 Gloves.....₩ doz. 9.00
No. 158 Gloves.....₩ doz. 7.50
No. 149 Gloves.....₩ doz. 7.00
No. 138 Gloves.....₩ doz. 6.00
No. 052 Gloves.....₩ doz. 8.00
No. 147 Gloves.....₩ doz. 4 50
Wrist Supporters ....₩ doz. .75
No. 160 Husking Pin..₩ gro. 7.50
No. 165 Husking Pin..₩ gro. 10 50
No. 170 Husking Pin..₩ gro. 2 50
Hubbard's Solid Steel.₩ gr 6.00 33⅓
Perkins Boss:
Styles A and B, ₩ doz. $2.00; E, $1.75.....
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $3.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.50
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@25&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $2.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.51
Solid.....₩ gro. 7.50

Curry Combs—

Spring, Jap'd ₩ doz $1.75; Blued, $2.25; Nickeled, $4.00.
Rubber, ₩ doz. $7.50.....20@10%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. $1.75
F. E. Kohler & Co.'s Humane ₩ doz. $1.50
Gibbs' Magnetic per doz. net...$1.40

₩ Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $3.00, doz.....40&10%
Nickeled Shank 4 4½
$1.25 $1.43 $1.60
5½ 6 7 inches
$1.78 $1.25 $2.25, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list. 40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

SPARK COIL—

Stanley & Patterson $4.00.....30%
Stanley & Patterson "Daisy"..$1.80

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—

Torrey's Rod, 39 in, ₩ doz $1.25@1.35
Spec Rod ₩ gr., $20.00.....30%
Warner's.....55@55&5%
Gem (Coil), list April 19, 1893. 25&10%
Star (Coil), list April 18, 1896. 20&10 &10%
Foster's (Coil).....20%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, ₩ doz, $15.00; No. 2, $15.00.....60@60&10%
Rubber, complete, ₩ doz. $5.50. 66⅔&5%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 60@60&10%
Merrill.....60&10@60&10&10%
Douglass.....75@75&10%
Watrous.....15&10@25%
L. & I. J. White.....25&5@25%
Bradley's.....25%
Adjustable Handle.....25@25&5%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1.
Breast, P. S. & W.....60&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $3.00..25%
Breast, Bartholomew's No. 12, ₩ doz.....$16.00
Ratchet, Merrill's.....20@30&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....20@30&5%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting..33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1.75@1 85
Stearns' Bench.....50@50&10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

National.....₩ gro $1.50
Paine, Diehl & Co.'s Keystone..33⅓%
Dover (Standard Co.)....₩ gro $9.50
Dover Extra Heavy (Standard Co.) ₩ doz $2.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$ .00 each less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..6'c ea., less 50%
Batteries, Medical, $8.40 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells Electric, 2¼ 50c. ea., less 50%
Call Bell Outfit, Electric...$2.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$1.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5' c. ea., le s 5 %
Gravity Batteries, $1.00 ea.. less 50%
Hydrometers ...75c. each, less 50%
Incandescent Lamps..4 c. each, less 50%
Induction Coils, Telephone..6 c. each less 50%
Lead Covered Wire No. 18, No. 16 No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons Wood..10c. each, less 50%
Push Buttons, Bronze, 20c. each, less 5%
Sal Ammoniac...18c. ₩ lb., less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt....24c. each, less 5%
Switches, 3 pt....18c. each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $ .4 ea., less 50%
Spark Coils, 12 pt.....$3.50 each, less 5%
Tape, Insulating, 8'c. ₩ lb less 50%
Tube, Speaking, $21.00 ₩ 1,000 ft. less 5%
Whistles, Speaking Tube, Parcel in.....75c ₩ doz., less 50%
Whistles Speaking Tube, N P., 2 0 ₩ doz., less 5%
Wire Winders, $10 00 each, less 50%
Window Springs, Electric...24c. each, le s 50%
Yale Lock Switch, Electric, $2.50 each, less 50%
Zincs, Leclanche...04c. ea., less 5%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF FF.
Kegs, ₩ lb.	4½c	5c	3c
½ kegs, ₩ lb.	4½c	5½c	3½c
¼ kegs, ₩ lb.	5c	5½c	3½c
10 lb cans, 10 in case....	6c	6½c	5½c
10 lb cans, less than 10..	10c	10c	8c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....70%

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—

John Sommer's Peerless Tin Key.40%
John Sommer's Boss Tin Key..50%
John Sommer's No Brand Metal Key.....0%
John Sommer's W. P. Metal Key.40%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's Reliable Cork Lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Chicago Cork lined.....60%
John Sommer's O. K. Cork Lined.50%
John Sommer's Perfection Cedar.40%
John Sommer's Cedar (in bbls.) 50&10%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%

Starr.....60%
Frary's Pat. Petroleum...70@70&5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 60&10%
Self-Measuring:
Enterprise ₩ doz. $26.00.....33⅓%
Lane's ₩ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt.	$3.00	@3.50	$4.00
Dairy Pails, 14 qt.	3.30	3.80	4.30
Fire Pails, 14 qt., stencilled "fire"	3.40		
Prison Pails, 16 qt. (with cover)	6.50		
Buggy Pails, 7 in. high.	2.60		
Sugar Pails, with cover	4.50	5.00	
Horse Pails (short, wide and heavy)	3.70		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt....	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt.	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.	4 50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1.00	1.70	2.00
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	1.70	2.00
" (13½ inch)	1.70	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls,	2.30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.30	4 00
Pitchers, 10½ in. high..	4.00	4.70	5.20
Milk Pans.	1.80	2.00	2.20
Fruit Bowls.	1.20	1.70	2.00
Keelers, 11½ inch.	2.30	2 80	3.10
Waste Paper Jars.	3.00	4 00	4.50
Mats, 8½ inch (for table use)	.50	1 00	1.20
Mats, 15 inch (for cuspidores, etc.	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Cuspidors, 9x7½ inches, (anti-tip-over).	5.50	6.50	7.00
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).	4.00	4.80	5.30
Peck Measures.	2.80		
Half Peck Measures...	2.50		

Files—

DOMESTIC—

Best Brands.....60&10&10@70%
Good Brands.....70&5@75%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&5&10%

IMPORTED—

Stubs.....Stubs' list, 25&30%

Filters—

Seed's Water Filters:
A 1, $4.00 No. 2, $2.50 No. 3, $1.50 No. 4, $1.00 ₩ dos.

Fish Hooks—

Amer. Fish Hook Co. list.6'@60&10%
Kirby & Limerick, low list (60c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....6'&2%

Fluting Scissors—

List.....45%

Forks—

Hay, Manure, &c., Asso. List....75%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....net
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....net
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....net

Fry Pans—

Standard List:

No.	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...7'@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....35&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....30.....

Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....25%
Wire, Brown & Sharpe's.....25%
Stube' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $3.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₩ gro....$4.50
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&5@25%
Le Pages Liquid.....25@30%

Glue Pots—

Tinned.....50@50&10%
Enameled.....50@50&10%
Family, Howe's "Eureka".....40%
Family, L. F. C.'s "Handy".....50%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....30%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....30%
Sargent's Patent..70&10@70&10&10%
P., S. & W. Co.....50&10&10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
Halters, Leather.....60&20%
Web and Rope Halters.....60&20%
Horse and Cattle Ties.....60&20%
Upson & Wooding.....40%

Halter Leads—

Covert Mfg. Co.....45%

Hammers—

HANDLED HAMMERS—

Maydole's.....25&1 @25&10&10%
Buffalo Hammer Co.... / Humason & Beckley... / Atha Tool Co.... } 50&10@60%
C. Hammond & Son. List..40&10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25& 10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₩ doz. Nos. 1, $3; 2, $4.....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb....₩ lb 4'c / 3 to 5 lb....₩ lb 36c } 75@75&5%
Over 5 lb....₩ lb 30c
Wilkinson's Smiths...10c@10½c ₩ lb

Hammock Ropes—

Covert Mfg. Co.....45%
Covert's Saddlery Works....50&20%

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.06	1.25	1.50

50&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@ 50&10&10%
Roggin's Latches ₩ doz.....28c@30c

STORE DOOR HANDLES—

Japanned Nuts.....$1.62
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—

Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....50&3%
Brad Awl.....₩ gr. $2.00
Hickory Firmer Chisel, as ₩ gr 4.50 / " Firmer Chisel, large ₩ gr 5.00 } 40&10@50%
Apple Firmer Chisel, as..₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 3.00
Worcester Leather Cap'd Chisel..25%
File, assorted.....₩ gr 2.75 / Auger, assorted ...₩ gr 5.00 } 50% / Auger, large.....₩ gr 7.00
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc. 60&10@60&10&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c. 60%
Champion.....45@45&10%
Sensible.....₩ dos. pr. $5....60%

Hangers—

Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track..55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $30.00; No. 3 $35.00; No. 4, $35.00.. ....70%
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction.60&10@60&10&5%
Duplex (Wood Track).....60&10&5%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....60&5%
Terry's Solid.....60&10&10&5%
Terry's Wrought.....60&10&10%
Munger Hanger.....20&10%
Davis Parlor Door.....50@50&5%
Cronk's Steel cov'd Anti-Frict...60%
Cronk's Acme, Flat Steel ₩ dos. $7.00.....75%
Queen City Reversible...75&10&5%
Felix, ₩ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....50@50&5%
Rider & Wooster, No. 1, 66⅔c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....60&10&10%
May.....50&5@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....50%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning, from jobbers.$6.50@$7.50
Gem.....₩ doz $12
Wadsworth's.....40&7½@40&10%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Corn, and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T.....75&10@80%
Corrugated Strap and T..75&10@80%
Hart's Pat. Heavy Strap.....30%

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Screw Hook and Strap. { 6 to 12 in., ₩ D 3 c; 14 to 20 in., ₩ D 2 ½c; 22 to 36 in., ₩ D 2 c
Rolled Blind Hinges Nos. 32 and 34 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 6 to 12 in. ₩ D, 5c. 14 to 36 in. ₩ D, 4c.

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔&%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Kell's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
American.....20%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.0
New Idea, No. 1, ₩ gro.....$12
New Idea, No. 2, ₩ gro.....$24.
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting.....35%
Union Mfg. Co.....35%
Bommer's.....35%
Buckman's.....25%
Chicago.....30%
Wiles' No. 1, ₩ gr., $15.00; No. 2, $18.00
Devore's No. 1.....₩ gr. $13.00
Rex.....₩ gr. $13.00
Royal Japanned.....66⅔&%
Royal Bronze.....45%
Reliable.....60%
Champion.....60%
Matchless No. 10.....70%
Victor.....₩ gr. $10.00
Torrey.....80%
Rubber.....66⅔&%

GATE HINGES—
Western, ₩ doz $4.20, 60&10@60&10&5%
N. E...₩ doz $7.80, 60&10@50&10&5%
N. E. Reversible..₩ doz $5.60, 60&10@60&10&5%
Clark's Nos. 1, 2, 3.....70%&70&5%
N. Y. State..₩ doz $4.90, 60&10@60&10&5%
Automatic.....₩ doz $12.50, 50%
Kell's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3, 60&10@60&10&5%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....60&10@60&10&10%
Clark's Nos. 1, 3, 5, 40 and 50.75&10&5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75&10%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&2½%
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.30.30&1 @40%

Hitching Cords—
Covert Mfg. Co.....45%

Hoes—
HANDLED—
Garden, Mortar, &c.....75&30%
Planter's Cotton, &c.....80&20%
Warren Hoe.....60&10%
Magic.....₩ doz $4.00
Dunlap's:
Boys'.....80&10%
Ladies'.....80&10%
Toy.....80&10%

Hye—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.30&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Maslin Kettles.....75&10@80%
Boilers and Saucepans..6 @70&10%
Tinned Boilers and Saucepans. 6 @60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware...60&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&10&5%
Rogers & Brother.....40&15%
Hartford Silver-Plate Co....40&10&5%
William Rogers Mfg. Co...40&15&5%

Hooks—
CAST IRON—
Bird Cage, Sargent's list / Bird Cage, Reading.... / Clothes Line, Sargent's list. } 60&10&10@70%&5&10%
Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....50&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz.....60c

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&%

WIRE—
Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50@50&10%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....60&10@80&20%
Handy Coat and Hat.....60@60&10%
Steady Ceiling.....60@60&10%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush.....50@60%
Wniffletree—Premium.....60%
Hooks and Eyes—Malleable Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60
Covert's Saddlery Works: Self-Locking Gate and Door Hooks.....60&20%

Horse Nails—

	Nos. 6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¼	9¼	9¼	9¼	9¼	net
Ausable	28c	26c	25c	24c	23c.	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&5%
Essex	28c	26c	25c	24c	23c.	40&10@70%
Lyra	9¼c	9¼c	9¼c	9¼c	9¼c.,	net
Snowden	9¼c	9¼c	9¼c	9 ¼c	9¼c.,	net
Vulcan	23c	21c	20c	19c	18c.	25%
Northw't'n	25c	23c	23c	21c	20c.	25@25&5%
A. C.	25c	23c	23c	21c	21c.	40&10%
C. B. K.	25c	23c	23c	21c.	21c	40%
Maud S.	25c	23c	23c	21c.	21c	50&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	22c	21c	20c.	40&5&2%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c.	35%
Western	23c	21c	20c	19c	18c.	50%
Empire Bronzed						10@10½c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co.....45%

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10&5%
Extra.....60&10@60&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....net
Star.....net
Gem Ice Shave.....net
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Shredders—
Enterprise, ₩ doz.....$15.00

Jack Screws—
See Screws.

Kettles—
Spun Plain Brass.....25&5%
Spun Brass, plated inside with White Metal.....20&5%
Stamped Brass Kettles, ₩ D 19@20%

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....25@ 0%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔&%
Ames' Bread Knives, ₩ doz. $1.50, 25%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....55@60%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 30c, 60&10%

Ladies, Melting—
Sargent's.....60&10@60&10&5%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Easy.....@60&10&60&10&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%
Genuine Philadelphia Mowers: Styles, D., D. O. W., M., S., T., C. K. L., and B. Self-adjusting. 70&10%
Styles A., and E.....60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 77&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....₩ doz. $10.00
Gibbs' Hustler.....₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz $12.00 $15.00 $24.00..40%
No. 4, $7.00 each.....33⅓&%

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 20&10%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—
C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....25c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....30%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....45%
Ventilator Cord, Samson Braided. White or Drab Cot. ₩ doz. $7.50, 30%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list August 15, 1895.....60&10 net
Mallory, Wheeler & Co., list July, '88.....60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94..60&10@& &10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓&%
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Delta Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....50&10%
Shepardson or U. S.....35%

CABINET—
Cabinet Locks.....60&10@70%
Eagle Lock Co.....25&10%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 23 to 39.....40%
Dietz, Nos. 41 to 75.....45%
Dietz, Nos. 87 to 96.....30%
Stoddard Lock Co.....30@33⅓&%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40@40&10%

PADLOCKS—
Wrought Iron.....70&10@80%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle.....40%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 1.....40&5%
Scandinavian.....90&40@90&40&10%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ₩ doz. $9.00...50@50&10%
Barnes Mfg. Co.....50@ 0&10
Nock's.....30&10%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 100 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 102, inclusive.....50%
Ames Sword Co. above No. 108, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓&%
Smith & Egge Bicycle.....50%
Slaymaker, Barry Co.'s:
No. 21 to 712.....net
Cast Key, Scandinavian Locks 90&10%
Flat Steel Key, Scandinavian Locks.....net
Self-Locking Scandinavian Locks.....net
Bicycle Locks.....25%
R. R. Switch and Car Door Locks.....net
Dog Collar Locks.....net
All other Padlocks.....net
Night Latches.....net

Mallets—
Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—
Regular list.....70&10@75%

Meat Cutters—

Dixon's ₩ doz	1	2	3	4
Nos.	$14.00	$17.00	$19.00	$20.00
Woodruff's ₩ doz.	100	150		
Nos.	$15.00	$18.00		
Hales Pattern ₩ doz.	70@70&5%			
Nos.	11	13	13	
	$27.00	$33.00	$45.00	

American	1	2	3	4	B	5
Nos.						
Each	$5	$7	$10	$25	$50	$60

Perfection.....net

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Enterprise.....25&10%
Nos.....10 12 20 32 42
Each...$3 $2.50 $4 $6 $15
Miles' Challenge ₩ doz...45@45&10%
Nos.....1 2 3
$32.00 $30.00 $40.00
Home No. 1..₩ doz $36.00.....60%
Draw Cut, each:
Nos....5 6 8
$60 $75 $80 $225.....20@25%
Beef Shavers (Enterprise).....25@30%
Little Giant.....50&10%
Nos. 305 310 312 320 322
$35.00 $48.00 $44.00 $72.00 $88.00
Chadborn's Smoked Beef Cutter, ₩ doz $36.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.]
Wire Nails and Brads, Papered, Association list, May 1, 1893....80%
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—

Brass Head, Sargent's list, 70&10@70&10&5%
Brass Head, Combination list, 50&10%
Porcelain Head, Sargent's list, 50&10%
Porcelain Head, Comb'n list,.40&10%
Niles' Patent.....40%

FURNITURE—

Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—

Black Hawk, per doz.....$9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 20@10%
Giant, No. 2.....₩ doz $15.00, 20@10%
Pelican.....₩ doz $9.00, 25&10%
Lightning.....₩ doz $12.00, 20%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Ellwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....60&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....60%

Nuts—

Cold Punched, Square....4½c off list
Hex.....5c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔. net.
Tapped.....50%

Oilers—

Zinc and Tin.....70&10@75%
Brass and Copper.....60&10@70%
Malleable. Hammers, Improved.....10&5%
Malleable, Hammers, Old Pattern, same list.....60&10@65%
"Perfect Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc,....70%
Prior's Pat. or "Paragon Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 35c

Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" ₩ " 10.00
" No. 2.....8.00
Discount 33⅓&5

OIL STONES—

Pike's Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¾ to 3⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔.....70
Discount 33⅓&5

Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ ℔..... .34
" 2x2x¾, extra selected.. .40
Discount 33⅓&.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔..... 2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔..... 3.50
No. 1, 3 to 12x1¾ to 2x¾ to 1, ₩ ℔..... 4.00
No. 2, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔..... 1.00
No. 2, 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔..... 1.50
Discount 33⅓&.
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x2 in.....₩ doz. $ 0.00
7x2 in.....₩ doz. 36.00
6x2 in.....₩ doz. 30 00
5x2 in.....₩ doz. 24.00
4½x ½ in.....₩ doz. 14 00
3½x1 in.....₩ doz. 9 00
4x1 in., on Mahogany Handles.....₩ doz. 7 00
3½ in., in Vulcanized Rubber Case.....₩ doz. 12.00
Discount 33⅓&10s
Pike's Arkansas Round Edge Slips:
No. 1 reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x⅜ to ⅜ in. edge, ₩ ℔.....$4.00
No. 1 small, 3 to 5x1¼ to 1½x¾ to ⅜ in. back x ⅛ in. to sharp edge.....₩ ℔ 6.00
No. 2 assorted sizes.....₩ ℔ 2.50
Discount 33⅓&
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ ℔..... 4.00
No. 2, assorted sizes, ₩ ℔..... 2.00
Discount 33⅓&.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x¾ to 1 in.....₩ ℔, $1.50
No. 1, 5½ to 8x1¾ to 2x¾ to 1 in.....₩ ℔, 1.70
No. 1, 3 to 12x1¾ to 2x¾ to 1 in. ₩ ℔..... 1.90
No. 2, 3 to 5½x1¾ to 2x¾ to 1 in.....₩ ℔, .50
No. 2, 5½ to 8x1¾ to 2x¾ to 1 in.....₩ ℔. .70
Discount 33⅓&.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1, reg., 3 to 5x1¾ to 2x⅜ to ⅝ in. back x ⅜ to ⅜ in. edge, ₩ ℔.....$3 50
No. 1, small, 3 to 5x1¼ to 1½x¾ to ⅜ in. back x ⅛ in. to sharp edge.....₩ ℔, 4.00
No. 2, assorted sizes.....₩ ℔, 1.00
Discount 3 ⅓&
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ in.....₩ ℔, $2.50
No. 2, assorted sizes.....₩ ℔ 1.00
Discount 33⅓&
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ ℔ .08
Washita Finish, about 8x2x¾ to 1¼, ₩ ℔..... .10
Round Edge Slips, about 6x1¼ to 2x¾ to ¾ back x ⅛ to ¼ edge, ₩ ℔..... .20
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₩ ℔..... .12
Plain Slips, about 6x1¾ to 2x⅜ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ ℔..... .08
Small Axe, about 3x2x¾ to 1 ₩ ℔..... .10
Special Axe, 3½x1½x¾ ₩ ℔... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 ℔, ₩ ℔..... .05
Medium, 8 x 1¼ x 1¼, weight about 1¼ ℔, ₩ ℔..... .05
Large, 8x1¾x1¼, weight about 2 ℔, ₩ ℔..... .05
Small table, 10x2¾x2¾, weight about 4 ℔.....₩ ℔..... .06
Large Table, 12x2¾x2¾ " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₩ ℔ .50
Extra, " ₩ ℔..... .8
Round Edge Slips, No 1, ₩ ℔. 2.00
Discounts 33⅓&.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanising, per ℔ 70c.....40%
Boston "Phœnix" Red Sheet, per ℔.....50c. net
N. Y. R. & P. Co., Standard.....50%
N. Y. R. & P. Co., Empire.....60%
N. Y. R. & P. Co., Salamander...45%
N. Y. R. & P. Co., 1846-Para....40&10%
N.Y.R. & P.Co., Double Diamond.60%
N. Y. R. & P. Co., Carbon.....70@75%
Standard, Fair Quality.. 70&10@75%
Extra.....60&5@70&10@75%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₩ ℔ 80c 2@35&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ ℔
Russian Packing.....13c@14c ₩ ℔
Italian Packing.....12c@13c ₩ ℔
Cotton Packing.....14c@15c ₩ ℔
Jute.....6c@7c ₩ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1898.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.50
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination.....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro $4.50
Dixon's Mascot, Round..₩ gro. 3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.37
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....50&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey s..5"&10&10 @50&10&10&10%
Miscellaneous.....35&10%
Steers Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..30&10%
Chaplin's Iron Planes.....50%
Sargent's.....6 @6&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle".....30&10@30&10&10%
Ohio.....
Sandusky.....
L. & J. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....70%
Hall's Nippers, ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50&10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6c dia. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $13.00 30&5%
Cronk's, Stubb's Pat Pliers.....50%
Cronk's Button Pattern .....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....60%&5

Plumbs and Levels—

Millers Falls.....33⅓&5
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....25&10%
Stanley's Handy.....25&10
Regular List.....75&10@90%
Disston's.....50%
Pocket Levels.....70&10&10@77&10%
Davis' Iron Levels.....35&10%
Davis' Inclinometers.....30%
Wood's Extension Sight.....30
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....20%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$6.75
Dixon's Plumbago.....₩ ℔ 8c

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $1.00; ₩ gr. $8.00 } 10@
1½ qt. ₩ doz. $1.20; ₩ gr. $9.00 } 10@
2 qt., ₩ doz. $1.50; ₩ gr. $14 00 } 15%
Quincy Corn Popper, 1 qt., ₩ doz. $1 00; 2 qt, $4 00.....33⅓&5

Post Hole Diggers—

The Ryan..... .....₩ dos., $15.00

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses, Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw...₩ doz $15.00, 25@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Seymour Smith & Son's.....10%
Seymour Smith & Son's, Rockdale.....10%
Others.....65%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $13.00, 25&10%
Dunlap's Saw and Chisel.....₩ doz $8.50, 20%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔&10@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned...60&10&10%
Awning.....66⅔@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $13.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 338, 3 in. Shallow Well Pump.....$13.00
No. 8, Fig. 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17.00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 69, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig. 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 103, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 226, Fig. 332, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50

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No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 260 Fig. 4-4, Imperial Cyclone Pump.....$18.00
No. 265, Fig. 5:3, Cyclone Tank Force Pump.....$17.00
No. 267, Fig. 463, Geyser Tank Force Pump.....$17.00
No. 268, Fig. 513, Low Down Tank Force Pump.....$16.00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 250, Fig. 493, Bucket Spray Pump.....$5.50
No. 33 , Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive, good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@55%
Spring, good quality, ₩ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring.....50&5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co.'s New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe.....$6.50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$8.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.50
Planished Iron, to fit 7 in. Stove Pipe.....$8.50
Planished Iron, to fit 8 in. Stove Pipe.....$10.00

Rail—

Sliding Door, Wr't Brass, 1¼ in. ₩ ft., 36c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron, ₩ ft. 6½c
Sliding Door, Iron, Painted....₩ ft. 3c
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$1.40 1.65 1.80
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....3½c
Victor Track Rail, 7c ₩ foot.....70%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—

Cast Steel, Association goods.75&30%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz. $3.50
Gibbs' Favorite.....net ₩ doz. $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1 net ₩ doz. $4.80
Gibbs' Hustler, No. 0 net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.35..30%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz., No. 1, $3.00; No. 2, $3.50. } 25%
Duval's Wood, ₩ doz.,
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.12
Hay 12 teeth. No $2.40; No. 2 $2.10
Lawn, 22 teeth, $2.15; 24 teeth, $2.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co.....30%
Westenholm and Butcher, $10.00 to $.....10%
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—

Francis Kell & Son.....50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list Feb. 26, '96.....70%
Coopers.....70%
Block.....70%
Carriage.....70%
Hame.....70%
Burrs.....70%
American Screw Co.:
Bay State Rivets.....12½%
Belt with Burrs.....70%

Rivet Sets—

Regular list.....70%

Rods—

Stair, Brass.....35@10%
Stair, Black Walnut.....₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10& 10@70%
Moore's Acme Barn Door.....50%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope

Manufacturers' Prices:
Ma'la. 7-16in. & larg'r ₩ lb 7 c
Manila.....⅜in ₩ lb 7½c
Manila. ¼ and 5-16 in ₩ lb 7 c
Man. Hay Rope, Med. ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 5½c
Sisal. ¼ and 5-16 in ₩ lb 6 c
Sisal. Hay Rope..... ₩ lb 5 c
Sisal, Med. L'the Y'rn ₩ lb 4½c
1½% for cash in 10 days.
Cotton Rope, Best, ¼ in. and larger.....₩ lb 13@12½c
Medium, ¼ in. and larger, ₩ lb..9c
Common, ¼ in. and larger, ₩ lb..8c
Jute Rope.....₩ lb 5½@6c

Rules—

Boxwoo...80&10&10&10@30&10&'0 &10&5%
Ivory.....60&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....35&10%
Lufkin's Steel.....60%
Lufkin's Lumber.....5 &10%
Brown & Sharpe.....25%

Sad Irons—

From 4 to 10.....₩ lb 2@2½c
Self-heating.....₩ dos $10.00, 25%
Self-heating, Tailors' ₩ dos $22.50, 25%
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....5½c
New England.....5c, 20&10%
Mahony's Troy Pol. Irons.....15%
Sensible Pol., ₩ dos $4.80.....20%
Nickel.....₩ doz. $7.00
National Self-heating.....35%
Enterprise Mfg. Co. of Pa.:
Irons, No. 1, 2 or 3 with handles. ₩ doz.....$7.45
Irons, No. 1, 2 or 3 with handles. ₩ doz.....$7.00
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$6.25
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$6.75
Irons, No. 4 with handles ₩ doz.....$9.80
Irons, No. 4 with handles ₩ doz.....$8.80
Iron , No. 1, 2 or 3, ₩ doz.....$5.75
Irons, No. 1, 2 or 3, ₩ doz.....$6.25
Toy Irons, ₩ doz.....$1.50
Toy Irons, ₩ doz.....$ .25
The "Best" Handles, with Forged Iron Stretcher, ₩ doz.....$3.00
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz $6.50
Nickel.....₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper..50&10& 5@4%
Emery Cloth.....50&5%
Garnet Paper.....50&5%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....35%
Steel Cable.....35%

Sash Cord—

Common.....₩ lb 8½c@ 9c
Jute, good quality.....₩ lb 11c
White Cotton Braided, fair...₩ lb 23c@24c
Common Russia Sash..₩ lb 13½ @ 3c
Patent Russia Sash...₩ lb 13½c@14c
Cable Laid Italian Sash ₩ lb 23½c@25c
India Hemp Sash.....₩ lb 11½c@ 1c
Silver Lake:
A Quality, White., ₩ lb 30c....10%
A Quality, Drab...₩ lb 35c... 40%
B Quality, White ₩ lb 30c, 15&7½%
B Quality, Drab, ₩ lb 35c..15&7½%
C Quality, White (only) 26½c @ 28c
Sylvan Spring:
Extra Braided White.....₩ lb 33c
Extra Braided Drab.....₩ lb 33c
Semper Idem, Braided White ₩ lb 24c
Samson:
"Mass." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ lb 30c
"Samson" Braided Drab, Cotton.....₩ lb 35c
"Samson" Braided Italian Hemp.....₩ lb 33c
"Samson" Braided Linen, ₩ lb 30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....60&10@60&10&10
Hammond's Window Springs, A 50&10%
Hammond's Window Springs, B..50%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86.....70%
Payson's Perfect.....70%
Huqunin's Sash Balances.....30&2%
Huqunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@60&10&10%
Davis, Bronze, Barnes Mfg. Co...60%
Champion Safety.....70&5%
Security.....70%

Sash Weights—

1c. ₩ lb, Carload lots.....$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—

Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....30%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..35c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
Woodrough & McFarlin Cross Cuts.....45&10%
Hand Panel and Rip.....35&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.25@25&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back..45&10%
Richardson Circular and Mill, 4 @45&5%
Richardson X Cuts.....45&10%
Richardson Hand-saws....25@2 &5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—

Griffin's complete'.....40&10@50%
Griffin's Hack Saw and Blades, 40&10@50%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—

Star Hack.....25%
White Vermont..₩ gro. $9.00@$9.50
Red, Polished and Varnished, ₩ doz., $1.50 25%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 55@55&10%
Common Lever ₩ doz., $2.00, 45@50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $8.00; No. 1, $15.00.. 33⅓@35%
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50 25@25&10%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz. $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme...₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....35½%
Keller's.....60&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—

Union Platform Plain...$2.00@$2.10
Union Platform Striped..$2.15@$2.25
Chatillon's Grocers' Trip Scales..45%
Chatillon's Eureka.....25%
Chatillon's Favorite.....45%
Family, Turnbull's.....35@20&10%
Riehle Bros.' Platform...45@45&10%
Brittan Graham & Mathes.....50%
"The Standard" Pittsburg.....35%

Scale Beams—

Scale Beams, List Jan. 12, '96..60& 10@50&10&10%
Chatillon's No. 1.....45%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $4.00.....40&10%
Box, 1 Handle.....₩ doz., $2.00
Box, 2 Handle...₩ doz., $3.00@$4.00
Defiance Box & Ship.....30&5%
Foot.....55&10@10&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. L. Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....60&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—

Phillips:
Stained.....30&10%
Painted.....60&5%
Fancy Pine.....15%
Empire Fancy.....20&5%
Standard Oil.....25&10%

Screw Drivers—

C. E. Jennings & Co.....40%
Einwachters "Challenge".....30%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5 @10&5%
Disston's Pat. Excelsior.....5&10%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co.30%
Stanley R. & L. Co.'s:
No. 61, Varnished Handles.65&10%
No. 66.....70&10%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@35&10&5%
Nos. 20, 40 and 60 50&10@35&10&5%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral.....60%
Gay & Parsons.....30%
Champion.....40@40&10%
Clark's Pat.....35½@40%
Ellrich's Socket and Ratchet.40&10%
Howard-Allard....50&10@10&10&5%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 50@75c
Screw-Driver Bits, Parr's ₩ gro. $2.25
Frary's Hol. Hdle. Sets, No. 5, $12.40
Hercules.....70%
P. D. & Co.'s all Steel.....40%
Brace Screw-Drivers.....35&10%
P. S. & W.....70%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon: 37½&5%
"Handy" Ratchet.....30%
Champion.....30%
Copeland.....25@25&10%
Brace.....35&10%
Williamson's:
Gem, ₩ doz.....90c } 30%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
136 A.....70&10%
136½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
143 Ebonized Handle.....70%

Screws—

WOOD SCREWS—List, Feb. 26, '96.
Bright Flat Head Iron.....87½%
Br't R'd & Oval Head Iron.....80%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....80%
Silver Plated, Round Head.....80%
Flat Head Brass.....87½%
Round Head Brass.....85%
Flat Head Bronze.....80&10%
R'd and Ovel Head Bronze.....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....60%
Round Head Copper.....60%
Drive Screws.....87½&10%

MACHINE—

Flat Head, Iron.....40%
Round Head, Iron.....40%
Brass, Flat Head.....40%
Brass, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron.....70%
Bench, Wood, Beech.....₩ doz $2.25
Hand, Wood.....25&10@25&10&5%
Leg Blunt Point, list Jan. 1, 1889. 75&10%
Coach list Feb. 26, '96.....80&5%
Bed.....35&5%

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Hand Rail, Sargent's, 70@10@70&10&10%
Hand Rail, H.& B.Mfg.Co..75@75&5%
Hand Rail Am. Screw Co.....80%
Jack Screws, Millers Falls, Roller Bearing.....5&10%
Jack Screws, Millers Falls, without Roller Bearing.....50&10&10%
Jack Screws, P. S. & W.....35%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns'.....40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—

C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' No. 1, $8; No. 6, $10; No. 7, $15.....25%
Barnes Scroll Saw Blades.....25%

Scythes—

Grain.....50@50&10%
Grass.....50&10@60%

Seeders—

Enterprise Raisin.....25%

Shears—

Ætna, Steel Japanned.....80&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s...60@60&10
American (Cast) Iron..75&10@50&5%
Barnard's Lamp Trim'rs, ₩ doz.$3.75
Tinners'.....30&2%
Seymour's List, Dec., 1861. 60&10&10@60&10&10&5%
Heinisch's List, Dec. 1861. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—

SLIDING DOOR—

M.W. Co., list July, 1897.50&10@60&5%
R. & E., list August 15, 1895.....60%
Corbin's list.....60&10&5%
Patent Roller.....60&10&5%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1895.....60&5%
Moore's Anti-Friction.....50%
Hatfield Sheaves.....30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s.....60%
Sargent's list.....70%
Reading list.....65&10@65&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Sizes, from jobbers.....$3.15@$3.40
Bryden's Frog Pressure.....$4.00
Perkins Steel Side Weight Hind $3 15 @$3 40
Perkins Improved Snow.....₩ ℔ 4c

MULE—

Add 50c ₩ keg to above prices.

OX, WROUGHT—

Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c.....20%
Griffith's Black Iron.....30&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....65%
St. Louis Shovel Co.....30@30&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—

Iron Head.....60&10@60&10&5%
Brass Head.....60&10&10%

Sifters, Flour—

Hunters' Genuine, ₩ gross, $12@13.50

Slaw Cutters—

Enterprise.....25%

Slicers—

Enterprise Vegetable.....25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guarded, 70&10&10@70&10&10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German, new list.....40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert Mfg. Co.....45&20&50%

Covert Mfg. Co:
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Double for Bits or Trace Carrier.....
Breast Strap Buck e Straps
Breast Strap Protector.....
} 45&2½ @50%

Covert Saddlery Works:
Banner.....60&20%
Triumph.....60&20%

Spoke Shaves—

Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.) 50&10%
Seymour Smith & Sons, Iron.....30%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....33⅓%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10 @80%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&25%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Meriden Brit.Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co.. 40&15&5%
L. Boardman & Son.....50&12½%

MISCELLANEOUS—

German Silver.....50&10%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60&5%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&15&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60&10%
Boardman's Nickel Silver60&7½&5%
Boardman's Britannia Spoons, case lots.....60&10% cash

Springs—

See Door Springs.

Squares—

Steel and Iron.....
Nickel-Plated.....
} .....75&10@90%
Try Square and T Bevels60&10&10%
Disston Try Square and T Bevels, 50@50&10%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....35%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....35%

Staples—

Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&35&10%
Extra Heavy.....80%
Hooks and Staples.....80&35&10%
Extra Heavy.....80%
Hasps and Staples.....80&35&10%
Extra Heavy.....80%
Staples on Plates.....80&35&10%
Wagon Bow Staples....80&35&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—½ inch and larger ₩ ℔.....7c@7½c
Barbed Blind—⅜ inch, ₩ ℔..8c@8½c
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....60&10%
Norway Iron Clinch.....50&10%

Stocks and Dies—

Blacksmith's:
Waterford Goods.....35%
Butterfield's Goods.....35%
Lightning Screw Plate.....25@30%
Reece's New Screw Plates.....25@30%
Reversible Ratchet.....35%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stoves.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

Papered, Dozened and M's, Straight Weights. Full Half and Quarter Weights, 2% for cash.

Star weights (**). 5% extra; Standard weights (***), 10% and 5% extra, and special weights (****) (tinned and coppered carpet tacks only), 10% and 10% extra.

Carpet Tacks:
American, blued.....80&3⅓%
America, tin and cop'd..85&33⅓%
Steel, blued and bright.....85& 0%
Steel, tinned and cop'd...85&33⅓%
Swedes Iron, S.S., bl d.85& 33⅓&10%
Swedes Iron, S.S., tin'd.85 &33⅓&10%
Swedes, Iron, Lanc., blued....87½%
Swedes, Iron, Lanc., tinned..87½%
American, Iron, Dom.....85&2.05%
Swedes Iron Tacks:
S. S., blued.....87½%
S. S., tinned.....87½%
Lanc., blued.....8.&2%
Lanc., tinned.....8.&20%
Upholsterers' Tacks:
S. S.....90%
Lanc.....85&5%
Gimp Tacks:
S. S., blued.....90&15%
S. S., tinned.....90&10%
Lanc., blued.....85&30%
Lanc., tinned.....85&30%
Trimmers' Tacks:
Lanc.....80&20%
S. S.....85%
Looking Glass Tacks.....70%
Leathered.....6 %
Lace Tacks.....70%
Blued and tinned.....85&35%
Basket Tacks.....62½%
Berry Box Tacks.....62½%
Trunk Tacks:
S. S.....66⅔%
Lanc.....62½%
Miners' Tacks, S. S.....66⅔%
Bill Posters' and Railroad Tacks:
S. S.....66⅔%
Lanc.....62½%
Brush Tacks, bulk.....87½&2%
M's.....75&15%
S. S.....55%
Lanc.....5 %
Hungarian Nails.....80&2%
Common and Patent Brads.....80%
Finishing Nails.....57½%
Trunk and Clout Nails.....57½%
Basket Nails.....1%
Chair Nails.....45%
Cigar Box Nails.....45%
Shoe Finders' List, April 14, 1894. Extra 8⅓%&2% cash.
F. H. Cobblers Nails:
4¼-8in., and shorter, ₩ 100 ℔ $17.60
⅝ in. and longer, ₩ 100 ℔ $15.90
C. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:
No. 18 & 19. 17 & heavier.
2-8&2¼-8 in. $64 90 $44 f0
3-8&3½-8 in. 55.50 3 .00
4-8& longer, 44.50 36.10

MISCELLANEOUS—

Double Point.....85&10@85&10&5%
Wire Carpet Nails.....80&10%
Bill Nye Brad Box.....$4.00
Bonnie Blue.....₩ box $1.50
Claw Handle Carpet.....₩ gr $4.00
Home Tacks, No. 50, ₩ case (12 cartons), $36.00; No. 100, ₩ case (12 cartons), $72.00. 50&2%.
Home Nails, No. 200, ₩ case (12 cartons), $30.00; No. 400, ₩ case (12 cartons), $60.00. 50&2%.
Parisian Gilt Nails, carton.....50%
Plymouth Rock Tacks..66⅔&33⅓&2%
Miniature Keg Tacks..66⅔&33⅓&2%
Upholsterers' Nails.....50&10%

Tack Pullers—

Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50

Tapes, Measuring—

Keuffel & Esser Co.....25%
Lufkin's Steel and metallic.....40%

Taps—

American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Tin, Perforated—

Harrington & King Perforating Co.: 10 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9.45	$1 55
2	$8.90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$7.25	$1.20
6	$6.95	$1.15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1897.....70&10@70&25%

Trammel Points—

Cook's.....25%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%
Sargent's.....70&10@70&10&10%
Backus and Union.....40%
Prentiss'.....20@25%

Tracks, &c.—

F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3.50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T.$3.50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track.....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft.....09
Single Rail Steel Track with clamps, ₩ ft.....09
D. H. Fork, Steel Regular, e'ch .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₩ doz.$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig. 434, ₩ doz., ...$2 25
Floor Pulley, Wood Sheave, Fig. 436, ₩ doz.....$2.00
Floor Hooks, ¾ in ₩ doz.....65
Hanging Hooks for Double Steel Track, ₩ doz.....60
Hanging Hooks for Single Steel Track, ₩ doz.....60
Hanging Hooks for Wood Track, 10 in. ₩ doz.....45
Hanging Hooks for Wood Track, 14 in., ₩ doz.....55
Wrought Rafter Brackets, ₩ doz.....45
Malleable Rafter Brackets, ₩ doz.....45
Rope Hitch, ₩ doz.....$1.75

Transom Lifters—

Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—

GAME—

Enterprise Mole.....15%
Oneida Pattern.....75&5@77&10%
Newhouse.....40&10@50&5%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....50&10@60%

MOUSE AND RAT—

Mouse, Wood, Choker, ₩ doz hole 8@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 10%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza....₩ doz 90c@$1.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₩ doz. 65c.; in full cases.....60c
Improved Rat.....₩ gross, $12.50
New Rat.....₩ gross, $12.50
Schnyler:
Mouse, ₩ gross $18.00.....50%
Rat.....₩ gross $15.00
Housenold.....₩ gr $10.00
Erie Rat.....50%
Smith & Egge Mfg. Co:
Superior Rat Trap, ₩ doz....$15.00
Yankee Rat Trap, ₩ doz.....$ 1.00
Yankee Mouse Trap, ₩ doz.. $5.50

FLY—

Balloon, ₩ doz $1.50.....₩ gr. $12 50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—

Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..25 @35&10%
Peace's Plastering.....35@35&5%
W. & McP. Plastering.....35%
Richardson.....35%
"Rose" Brick Plastering and Moulders.....30 @30& 10%
Brade's Brick.....35@33⅓%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—

Solid Box.....50&10@60%

PARALLEL—

Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@40&10%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Massey's Quick Ation.....20@25%
Bonney's.....50@50&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....35&10&5%

SAW FILERS—

Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....30&10%

Wads—

See Ammunition.

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Wagon Sacks—
Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&2 %

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.5 @$12.00
American Whip Co.:
List price per dozen
1. X. L. Whalebone Driving 4½ ft., $ 8.00; 5 ft., $9.00; 5½ ft., $10.00; 6 ft., $14.00; 6½ ft., $17. 0; 7 ft., $30.00; 7½ ft., $33.00; 8 ft., $36.00.
Eureka, Two-thirds Whalebone, 5½ ft., $15.00; 6 ft., $ 6.50; 6½ ft., $18.00; 7 ft., $2 .00.
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00 5 f ., $8.50; 5½ ft., $9.50; 6 ft., $ 0.50; 6½ ft., $12.00; 7 ft , $ 8.50 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $5.00; 5 ft., $6.00; 5½ ft., $6.50; 6 ft., $7.00; 6½ ft., $7.50; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors .....6 ft., $6.00
American, 9s Pen Whip, 6 ft., $4.00
Gents' Light Driving, No. 111, 6 ft.....$6.00
Gents' Light Driving, No. 106 6 ft.....$5.00
Hand-Made Stocked Java, No. 108.....5½ ft , $3.75; 6 ft., $4.00
Team Whips....₩ doz $2 0 @$7 5
Hardware Assortment 10 ; American, 75 Whips for.....$50.00

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@ 8 %
Cop'd, Nos. 0 to 18, 75& @7 &10&5%
Galv., Nos. 0 to 18.....70&10@75%
Tin'd, Tinned list Nos. 0 to 18..75 &@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb..... 4½c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Brass.....55%
Brass.....30@30&5%
Copper.....45%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30, ₩ lb.....6 @7c
Tate's Wire Picture Cord Braided and Twisted.....35@10&10%
Picture Wire.....New list 35&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.3 @$1.40
Galvanized Wire Netting....30&10 @3 &25%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List.
Iron.....20&2½%
Iron, Galvanized.....20&2½%
Cast-steel.....20&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....60@60&5%
Nickel.....40&5 @50%
Heavy.....50%
Alligator.....60&10%
Hercules.....70%
American Adjustable.....40@40&10%
Armstrong's.....40%
Baxter's Adjustable "S" 70@70&10%
Baxter's Diagonal.....60@60&10%
Coes' Genuine.....50& @50&10%
Coes' "Mechanics'".....50&10&3@30%
Girard Standard.....65&10@70%
Lamson & Sessions' Engineers'20&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....30&5%
Eagle Pipe.....50%
Hall's Pipe.....50%
Taylor Pipe and Nut.....40%
Sallison Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black 40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 8 Pipe.....55%
Aiken's Pocket (Bght) $2 5 @3.0 .00
Boardman's.....3+½%
Always Ready.....35½&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
In lots of less than one d zen. Cash.
Am. Wringer Co.'s list, July 1895.....25
Colby Wringer Co., list May 1, 1894.....25
Lowell Mfg. Co., list July 2, 1895...25
Peerless Mfg. Co., list Feb., 1892...25
National Wringer & Mfg. Co., list Jan. 1, 1895.....25
NOTE.—On lots of 1 dozen a discount of 10, is often gi en.

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 42c
Linseed. City, Boiled, " ₩ gal. 45c
Out of Town on Spot.....₩ gal. 40c
Calcutta, Raw, in bbls....₩ gal. 47c
Lard Prime City.....₩ gal. 50@51
Western, Prime.....50 51
Extra, No. 1.....40@41
No. 1.....37@39
No. 2.....3 .@35

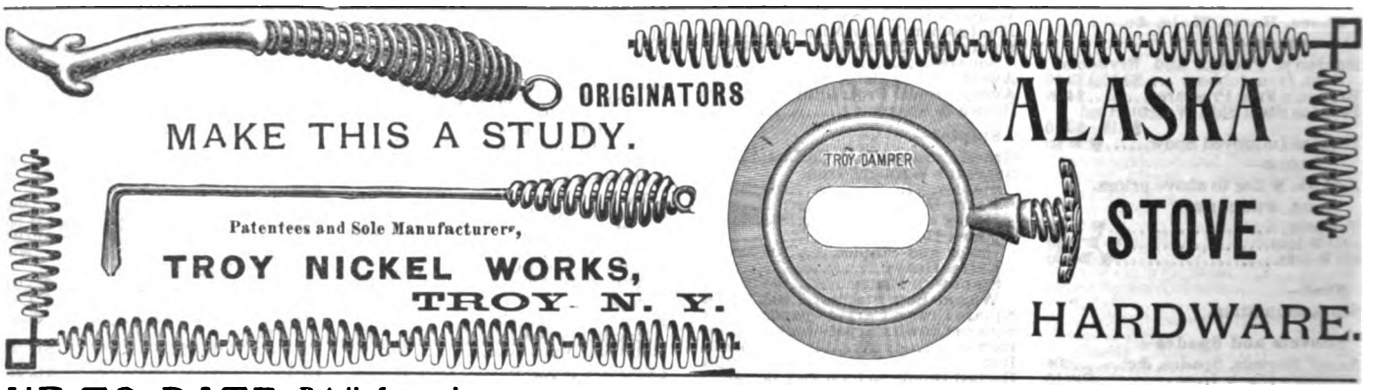
Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $15.00@$18.00
Barytes, Domestic Floated, ₩ ton $2 .00@$2.8,00
Barytes, Off Color, ₩ ton, $10.00@$12.00
White Lead, American, Dry, ₩ lb 4½@4½c
White Lead, American, in Oil, ₩ lb.....5½@5¾c
White Lead, English, in Oil, ₩ lb 5¾@6¼c
Litharge, American Powdered, ₩ lb..... 4½@5¼c
Litharge, English Flake, ₩ lb 7¼@8 c
Litharge, Glassmakers', ₩ lb 4½@5¼c
Zinc, American, Extra Dry, ₩ lb 3½@4½c

Putty—
Putty in Bulk.....$1.45@$1 7
Putty in Bladders.....$1 65@$2 00
Putty in Tins.....$2 00@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal..28@28½c

Dry Colors—
Blue, Chinese.....₩ lb 35 @40 c
Blue, Prussian.....₩ lb 30 @35 c
Blue, Ultramarine..₩ lb 7 @25 c
Brown, Sienna, American, burnt.....₩ lb 1½@ 1½c
Brown, Sienna, American, raw.....₩ lb 1½@ 1½c
Brown, Umber, American, burnt.....₩ lb 1½@ 1½c
Brown, Umber, American, raw.....₩ lb 1½@ 1½c
Brown, Vandyke, German.....₩ lb 2½@ 5½c
Brown, Vandyke, American.....₩ lb 1½@ 2½c
Green, Chrome, Common.....₩ lb 5 @ 6 c
Green, Paris .....₩ lb 20 @2 c
Indian Red, Standard, American ...₩ lb 2 @ 3 c
Venetian Red, English Prime..... ...₩ lb $1.75@$1 90
Yellow, Chrome ....₩ lb 16 @2 c
Yellow, Ocher, Fre'ch ₩ lb 1 @ 1½0

Colors in Oil—
Black Coach Japan ₩ lb..18½@20 c
Black Coach Japan in Oil.....₩ lb 12 @13 c
Black Drop .....₩ lb 7½@10 c
Black Lampblack, prime, ₩ lb 27 @33 c
Black Lampblack, medium.....₩ lb 15 @2 c
Black Lampblack, 2d quality.....₩ lb 13 @19
Black, Lampblack, low grade .....₩ lb 6½@10 c
Blue, Chinese.....₩ lb 25 @40 c
Blue, Prussian .....₩ lb 2 @40 c
Blue, Ultramarine..₩ lb 12 @1 c
Brown, Sienna burt ₩ lb 7 @10 c
Brown, Sienna, raw. ₩ lb 7 @10 c
Brown, Umber, burt ₩ lb 7 @10 c
Brown, Umber raw .₩ lb 7 @10 c
Brown, Vandyke....₩ lb 7 @11 c
Green, Chrome.....₩ lb 8 @14 c
Green, Paris.....₩ lb 16 @1 ½c
Red, Indian.....₩ lb 12 @15 c
Red, Venetian.....₩ lb 4½@ 8 c
Yellow, Chrome.....₩ lb 13 @18 c
Yellow, Ocher, Fre'ch ₩ lb 4½ c

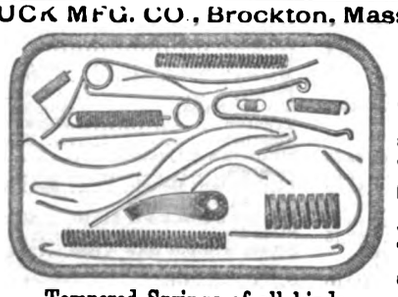


UP TO DATE Retails for 10 cts.
Every Dealer Should Have Them.



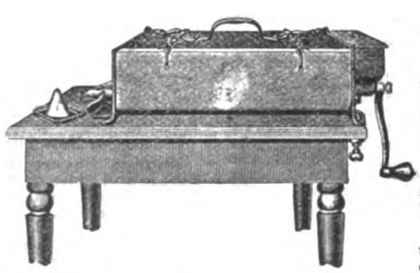
Stove Polishing Mittens, with Dauber combined.
Keeps the hands from being soiled, and polishes a stove perfectly.
Per Gross, $7.00. - Sample, 10 cts.
BOSTON TAPE MFG. Co., - 137 Pearl St., Boston.

TUCK MFG. CO., Brockton, Mass.
Springs, Tools & Cutlery.



Tempered Springs of all kinds.
Send for Tool Catalogue.

Polar Star Instant Ice Cream Freezer.

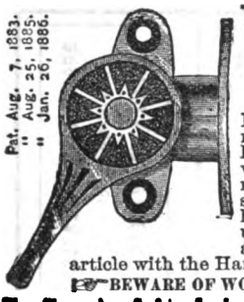


A Marvel to all who behold it in operation.
Size, 21x7x7. Retail Price $3.75. Capacity unlimited
It makes perfectly smooth ice cream with all milk. Cream added makes it somewhat richer, but not smoother. It makes very superior, smooth water ices, frozen fruits, frozen custards, sherbets, etc., and is a very simple, convenient and economical freezer.
No Gearing, cogs or fixings to get out of order.
Noiseless in operation. A child can operate it. Makes a plate of ice cream in 30 seconds or a quart in 5 minutes. All other quick freezers merely SCRAPE it off a tin surface of some kind, but do not BEAT IT or WORK IT.
Our Freezer **Mixes, Mashes, Palls, Grinds** and **Whips** the cream more in **30 seconds** than any paddle freezer does in **30 minutes.** Dealers will do well to investigate this promptly. Correspondence solicited.
Manufactured solely by Polar Star Freezer Co.,
Send for particulars and discount. 235 LEVANT ST., PHILADELPHIA, PA.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.
Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and Nickel-Plating.



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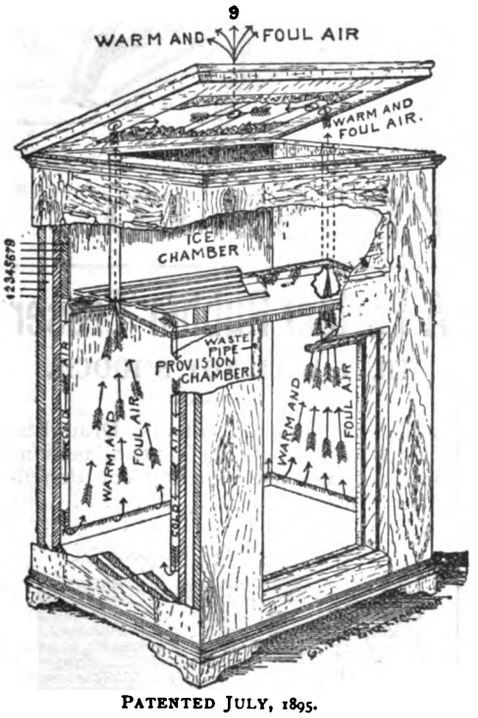
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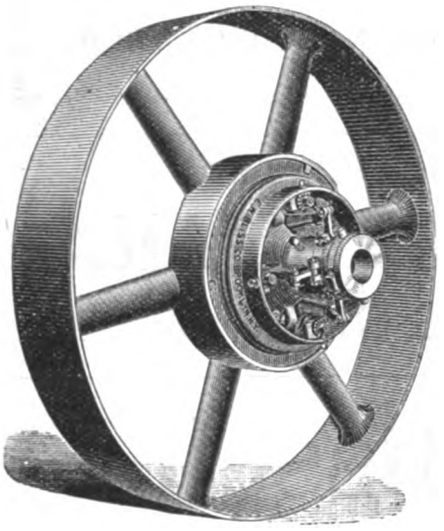
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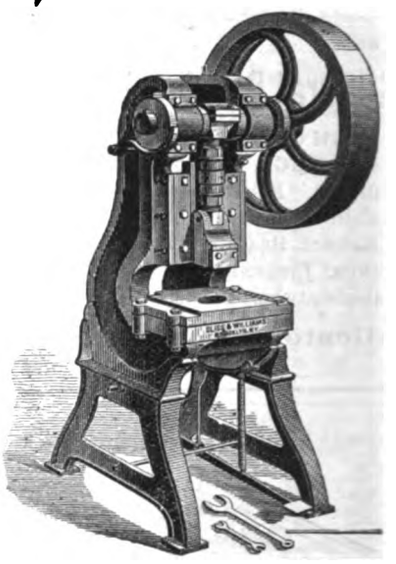
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Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
Samuel I. Goodall Co., Philadelphia
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Leavett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
C. Hanika & Sons, Muncie, Ind.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

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E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.
Edward Darby & Sons, Philadelphia.

Rakes.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
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Refrigerators
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
Keyser Mfg. Co., Chattanooga, Tenn.

Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Repair Outfits,
Brandenburg & Co., Chicago.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
William N. Merriam, Boston.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

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Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Erasers.
J. D. Johnston, Newport, R. I.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

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Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.
L. S. Starrett Co., Athol, Mass.

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Enterprise Mfg. Co., Philadelphia.

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Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

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Gardner Sash Balance Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.
Bruce R. Ware & Co., Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

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E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

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John Chatillon & Sons, New York.
Gilfillan Scale Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.

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Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

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Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
C. Hanika & Sons, Muncie, Ind.

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Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.

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J. Wiss & Sons, Newark, N. J.

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Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

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Clendenin Bros., Baltimore, Md.

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Wyoming Shovel Works, Wyoming, Pa.

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Samuel Winslow Skate Mfg. Co., Worcester, Mass.

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Union Hardware Co., Torrington Conn.

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Enterprise Mfg. Co. of Philadelphia, Philadelphia.

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A. J. Phillips Co., Fenton Mich.

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Van Wagoner & Williams Hardware Co., New York.

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Harrington & King Perforating Co., Chicago.

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Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

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Holroyd & Co., Waterford, N. Y.

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Schneider & Trenkamp Co., Cleveland, Ohio.

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S. Cheney & Son, Manlius, N. Y.

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J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

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Pike Mfg. Co., Pike Station, N. H.

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Cleveland Block Co., Cleveland, O.
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Rockford Tack Co., Rockford, Ill.
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Champion Washing Machine Co., Cincinnati, Ohio.

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E. I. Church & Co., West Hanover, Mass.

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Kilbourne & Jacobs Mfg. Co., Columbus, O.
Toledo Wheelbarrow Works, Toledo, O.

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American Wick, New York.

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Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.

Window Guards, Punched.
Harrington & King Perforating Co., Chicago.

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Samson Cordage Works, Boston.

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John H. Graham & Co., New York.
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Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

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Clinton Wire Cloth Co., Clinton, Mass.
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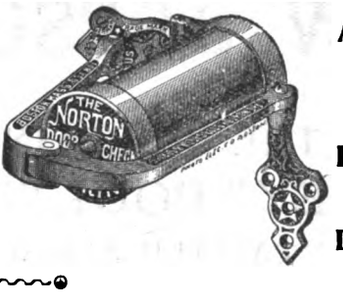
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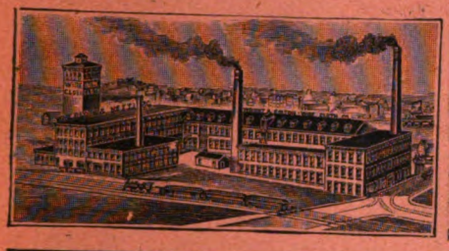
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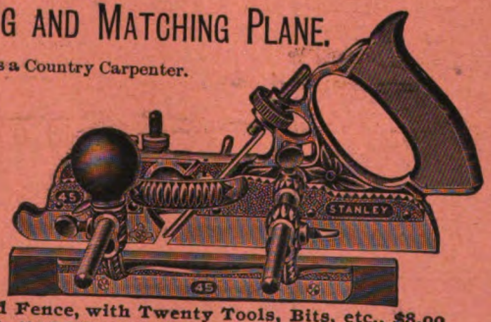
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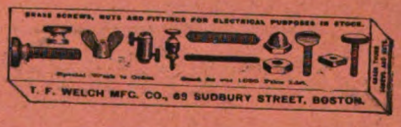
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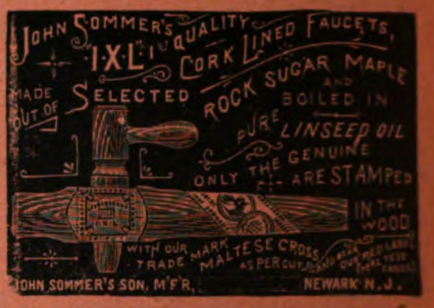
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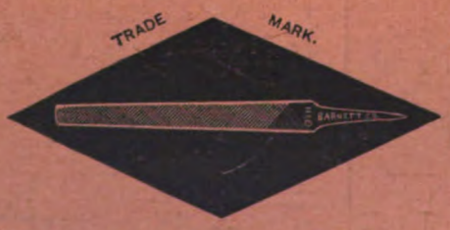
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A Review of the American Hardware Market.

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VOL. XII. No. 12. New York, March 25, 1896. $1.00 A YEAR



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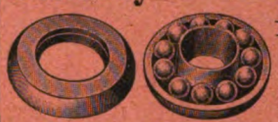
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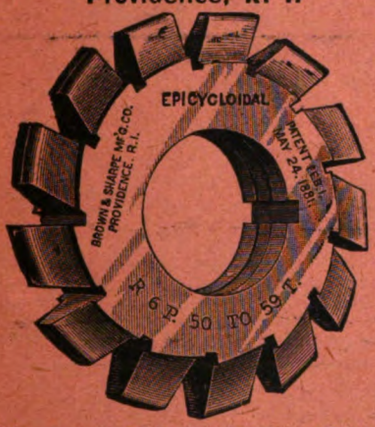
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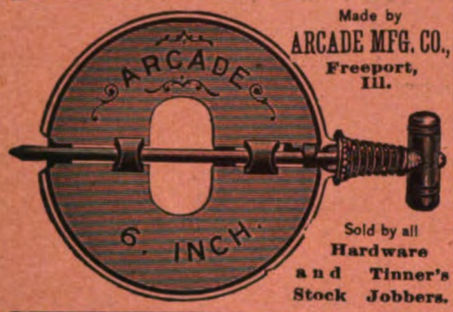
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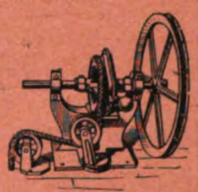


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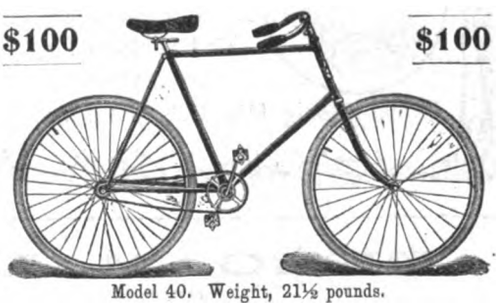
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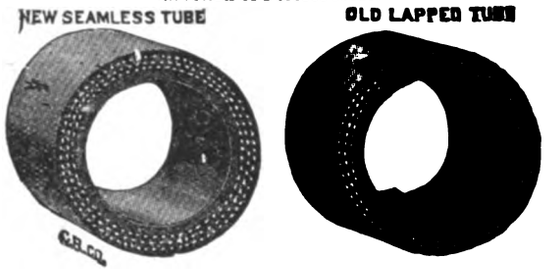
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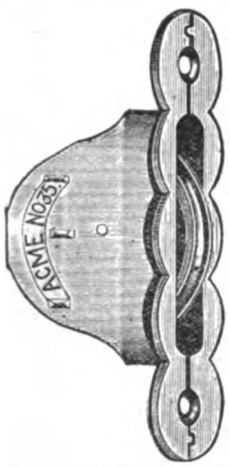
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ELMIRA, N. Y.



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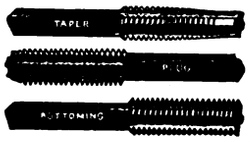
BOSTON. NEW YORK.
HAMILTON, CAN. PHILADELPHIA.
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Butterfield & Co.,



Taps & Dies.



Derby Line, Vermont.



AN IDEA

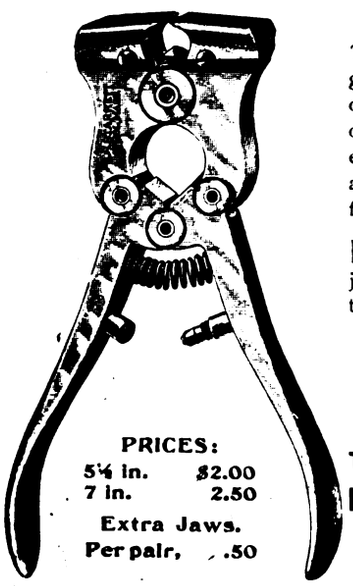
That will increase your business. A thoroughly practical plan for making your store popular. Popularity brings prosperity.

WANT IT?

Arthur Boughton Chivers,
Advertising Writer,
257 Broadway, New York.

ADJUSTABLE JAW CUTNIPPER

IT WILL LAST A LIFETIME.



The jaws are detachable—may be taken off, ground and adjusted when worn. A quarter of an inch may be ground from each jaw without impairing its usefulness. If the jaws are ever used up, new ones can be had for 50 cents a pair. Three styles of jaws are made,—(C) for ordinary use, (M) for cutting music wire, and

For Bicycle Use, a special pair of jaws (B), of a shape just right for cutting off the ends of wire in bicycle rims.

86 page book of Fine Mechanical Tools and Cutters up to date--Free.

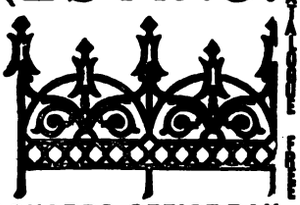
PRICES:
5¼ in. $2.00
7 in. 2.50
Extra Jaws.
Per pair, .50

THE L. S. STARRETT CO., Box 69
ATHOL, MASS., UNITED STATES



CRESTING!

SEND FULL PARTICULARS FOR CLOSE ESTIMATE.



CATALOGUE FREE

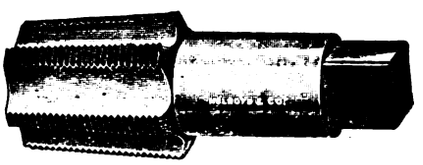
WINDOW GUARDS, OFFICE RAILINGS, STABLE FIXTURES, GRAVE GUARDS, WIRE SIGNS, WEATHER VANES, FIRE ESCAPES VASES, SETTEES, ETC.



WROUGHT IRON FENCE.

E. T. BARNUM, DETROIT, MICH. MENTION THIS PAPER.

Hardware Dealers Send us your address and we will mail Catalogue and discount sheet of **STOCKS & DIES, TAPS, etc.**



Holroyd & Co.,
Waterford, N. Y.

WATERBURY BRASS CO.,
296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

-:-PERCUSSION CAPS OF ALL KINDS.-:-

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!

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There are Two Classes of Rubber Belting, Packing and Hose:

MALTESE CROSS BRAND

AND OTHERS.

We are the Sole Makers of the MALTESE CROSS GOODS, but we make others too, and all at prices that you will find attractive.

THE GUTTA PERCHA AND RUBBER MFG. CO.,

ESTABLISHED 1855,

Mechanical Rubber Goods of Every Kind,

35 WARREN STREET, - - NEW YORK.

BRANCHES: CHICAGO. BOSTON. SAN FRANCISCO. PORTLAND, ORE.

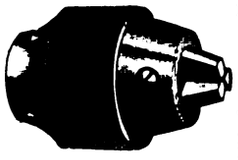
FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,
Cleveland, O.

SKINNER PATENT CHUCKS.



Lathe Chucks,
Drill Chucks,
Paner Chucks,
Face-Plate Jaws
Cat. free on application.
THE SKINNER CHUCK CO.
New Britain, Conn., U. S. A.
No. 94 Reade st., New York.

TIME

WILL

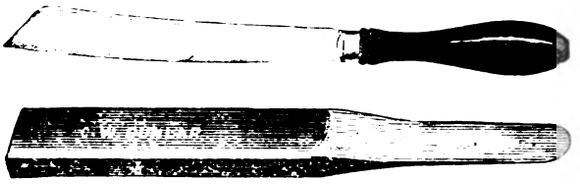
TELL.

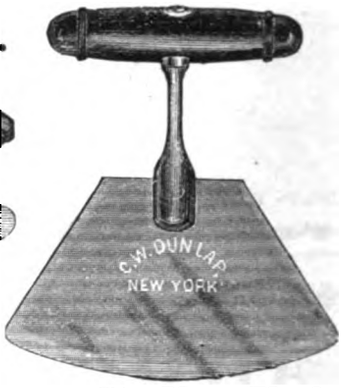
A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it likerock salt.

Dunlap's Superior Kitchen Hardware.





Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St., New York.



HERE IT IS.

The BOSS LANTERN LAMP.

Patented Nov. 27, 1894.

NO wind or hurricane, however strong, can blow it out. Any No. 2 crimped top chimney will fit it. Chimney does not get hot, because the cold air goes down into the chimney around the sides—the hot air comes up through the center of the chimney drawing the flame up several inches, making the light 5 candle power, producing a cold draught under the flame. The candle melts very slowly, making half candle last many hours.

There is a standing offer of **One Hundred Dollars** to any one who can take his Hat, Fan or any thing else and Fan the light out. It is impossible to fan the light out or for the wind to blow it out. Sample free, prepaid.

Write for special prices f.o.b. Cleveland, Ohio.

Orders filled at factory prices by SAMUEL CUPPLES W. W. CO., St. Louis, Mo. **Patent owned and manufactured by**



R. GIVENS, - Corpus Christi, Texas.



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

Buckeye Churn Co.,
Sidney, Ohio.

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C. C. BROOK'S
LITTLE GIANT SCYTHES
ARE MADE OF THE BEST ENGLISH CRUCIBLE STEEL
ARE FREE FROM FLAWS, HARD ENOUGH AND NOT TOO HARD
MANUFACTURED ONLY BY THE NORTH WAYNE TOOL CO. HALLOWELL, MAINE.

Grain Cradles

For the Lightest, Cheapest and Best Hand Made Cradle in the market, write for prices.

J. B. Miller & Co.,
Lock Box 156. Washington, Pa.

Phillips Screens

FOR DOORS AND WINDOWS, ARE WELL MADE FROM GOOD MATERIALS BY

The A. J. Phillips Co., Fenton, Mich.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

WAIT ! !

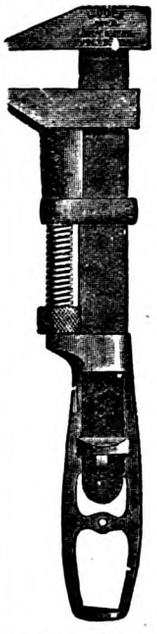
For the Latest **CROSS CUT SAW.**

Up-To-Date

Nothing Like It.

The NATIONAL SAW CO.,

NEWARK, N. J.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.



MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

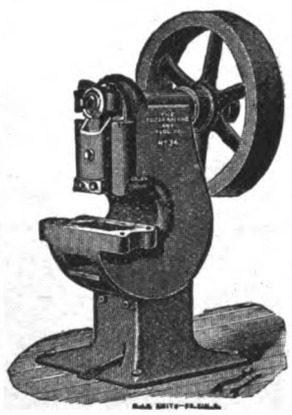
Established in 1839. Registered March 31, 1874. Patented July 6, 1880. Patented July 8, 1884.

Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.



The Toledo Machine & Tool Co.,

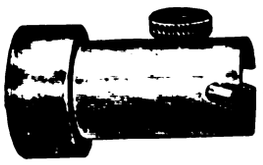
501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.

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Write for Circulars.

THE most durable, most practical and most satisfactory **NOZZLE** yet invented.
A simple, straight, open tube. . . . . .

No Valve, No Ball, No NOISE.

Will spray from finest mist to coarsest rain, or throw solid stream.

Manufactured by the

H. F. Neumeyer Mfg. Co.,

Macungie, Pa., U. S. A.



Wheelbarrows

of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

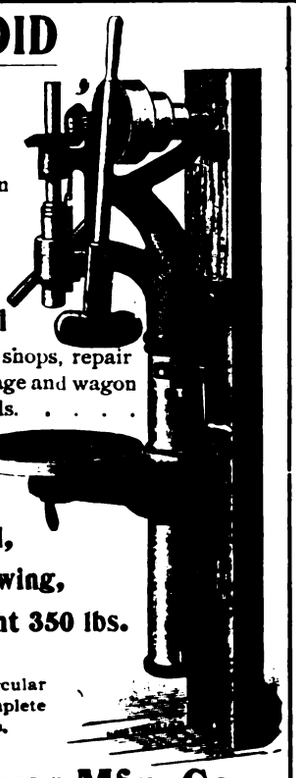
THE

AMERICAN WICK

Made by the
WICK DEPARTMENT
Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

SPLENDID Drill



For light work in any machine shop.

Just the Tool

For blacksmith shops, repair shops and carriage and wagon shops of all kinds. . . . .

Has Cut Gears, Lever Feed, 19-inch Swing, Weight 350 lbs.

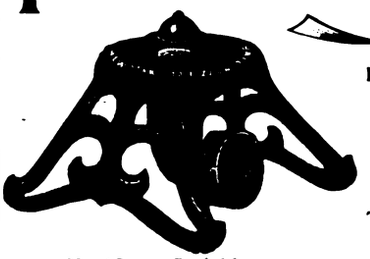
Ask for New Circular which shows complete line of **Hand Drills.**

The Silver Mfg. Co.

SALEM, OHIO.

The Ball Nozzle for '96.

Prices Reduced for 1896.



No. 6 Lawn Sprinkler.
BALL NOZZLE for '96.

For **LOW PRESSURE.**
(Works under Five Pounds Pressure.)
HIGH PRESSURE,
ANY PRESSURE.

The Acme of Perfection of
LAWN SPRINKLERS.

Manufactured solely by the **American Ball Nozzle Company,**

837-847 Broadway, New York.

Write for Prices

BRANCH HOUSES:
421 Market St., San Francisco. 519 Marquette Building, Chicago.

SEND FOR CATALOGUE.



If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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1896.

P. & A.

• BANNER BICYCLE LIGHT

Burns Kerosene Oil

AND IS

WIND PROOF.

All Parts Riveted or Seamed.

NO SOLDER TO MELT.



Removable

TOP.
FOUNT.
BURNER.
REFLECTOR.

Makes it Easy to Take Apart. Easy to Put Together.

THE Fount unscrews from the Burner. All brass, full nickel plated. It is packed with cotton, preventing any splashing of the Oil in the jolting of the wheel. The Burner is attached to the lamp proper by a bayonet catch, so that both Fount and Burner can be removed in an instant. The Filler Cap on the side of the Fount makes it most convenient for filling. The lamp is 5½ inches high. The lens 3 inches in diameter, and as made gives a double reflection, both downward and straight ahead. The weight is 12 ounces. It is clean, simple, light and durable.

. . . MANUFACTURED BY . . .

The Plume & Atwood Mfg. Co.

29 Murray St., New York. ⊙ 199 Lake St., Chicago, Ill.

The



B & H LAMPS.

—Easy to Light—

—As Gas.—



For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.

—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

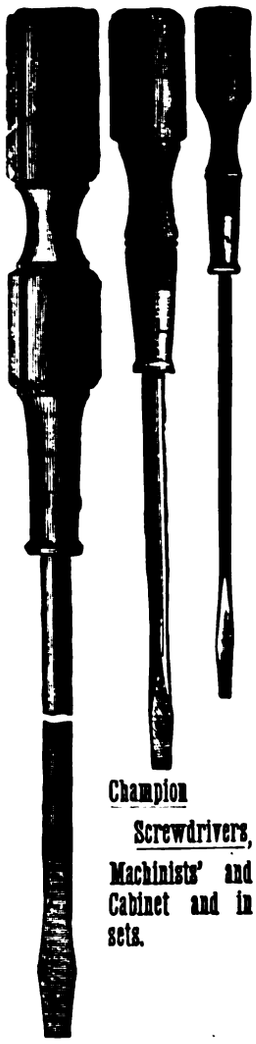
NEW YORK,	BOSTON,	PHILADELPHIA,	CHICAGO,
26 Park Place.	160 Congress St.	Room 710, Betz Bldg.	204 Masonic Temple.

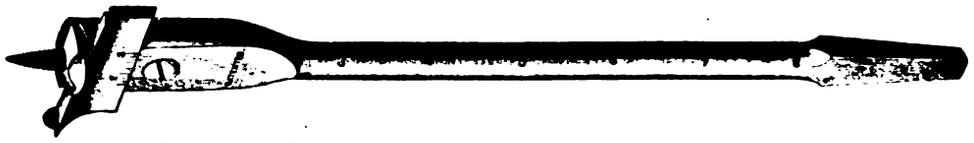
Main Office and Factories, Meriden, Conn.



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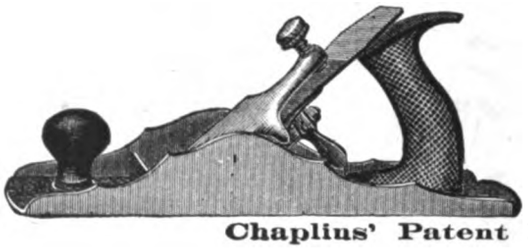
Carpenters and Machinists' Tools.





No loose parts.

Improved Clark's Pattern Expansive Bits. Lavigne's Patent.



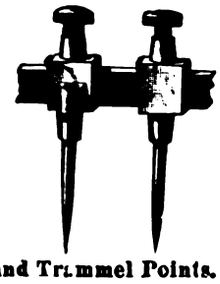


Corrugated Face.

Chaplins' Patent Iron Planes.





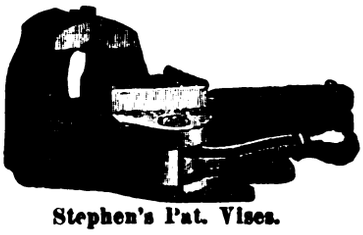




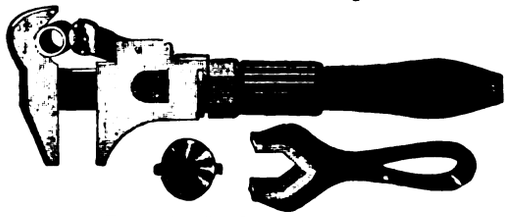


Champion Screwdrivers, Machinists' and Cabinet and in sets.

Unique Levels for Sqr. Plumb Bobs and Trammel Points. Mall Lamps and Oilers.



Stephen's Pat. Vises.



Tower's Engineers Wrenches.

TOWER & LYON,

95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers Padlocks, Police Goods, Etc.

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE,

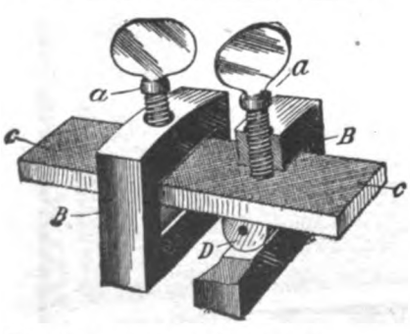
CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener



A New and Useful Article

Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

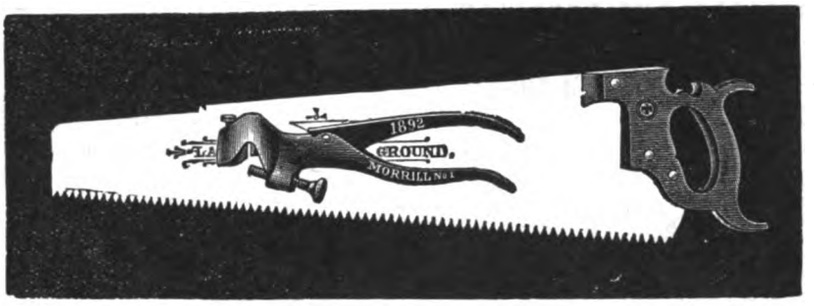
UNION HARDWARE CO.,

New York Office in charge of TOWER & LYON. Torrington, Conn.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.

THE
ATKINS SAWS
TAKE THE LEAD.



—:—: A FULL LINE OF :—:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

W-Y NOT

Do Your Own Plating?

OUR CATALOGUE TELLS HOW. . . SHALL WE SEND YOU ONE?

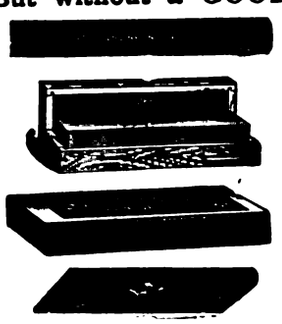
WE FURNISH COMPLETE OUTFITS.

THE HANSON & VAN WINKLE CO.,

CHICAGO. NEWARK, N. J. NEW YORK.

WE ARE THE LARGEST MANUFACTURERS IN THE WORLD OF PURE NICKEL ANODES.

SHARP TOOLS are a NECESSITY to a good workman,
But without a GOOD WHETSTONE they are an impossibility
That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.
GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND.
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG.
WILLOUGHBY LAKE.

Oil and Water Stones.
WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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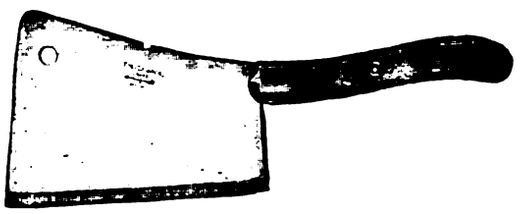
MANUFACTURERS OF

SCALES

—AND—

BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

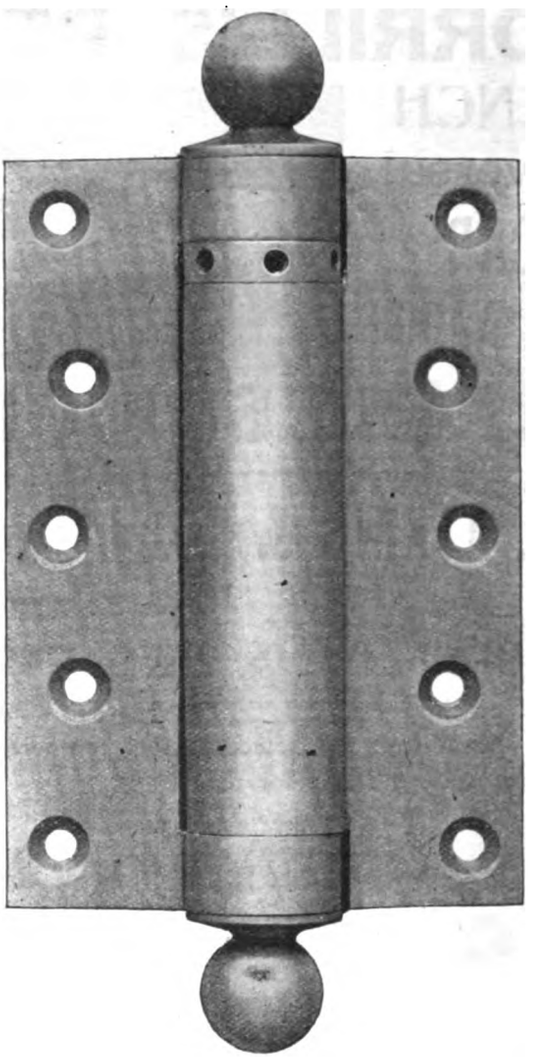
BUTCHERS' CUTLERY





JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.



NORWALK LOCK CO.,

Manufacturers of

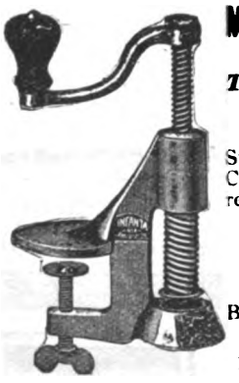
Single and Double Acting Spring Hinges. Also a full line of Builders' Hardware.

Prices Quoted on Application.

Factory and General Offices, SOUTH NORWALK, CONN.

—SALESROOMS:—

Underhill, Clinch & Co., New York, 94 Chambers St.
New York, 82 Chambers St. Boston, 300 Franklin St.
Chicago, 544 Unity Building.
Baltimore, 35 Hanover St., (Henry Keidel & Co.)



MERIDEN MALLEABLE IRON CO.,

SOLE MANUFACTURERS OF

THE INFANTA CORK PULLER

Patented Jan. 1, 1895.

All parts made of Malleable Iron and Steel, overcoming all liability of breakage. Convenient size for family use and at a reasonable price. Also

THE RAPID CORK PULLER

—AND—

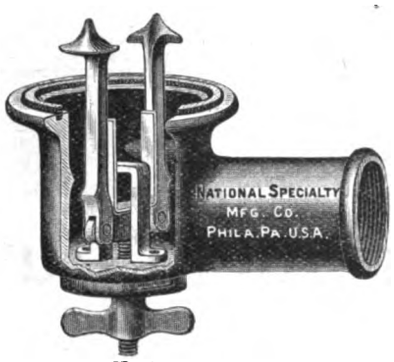
RAPID LEMON SQUEEZER.

Best in the market. Send for circulars and prices.

MERIDEN, CONN., U. S. A.



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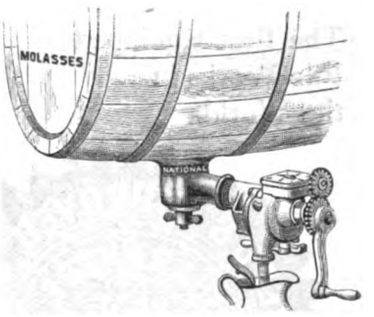
Price $2.50.

We Make Faucets

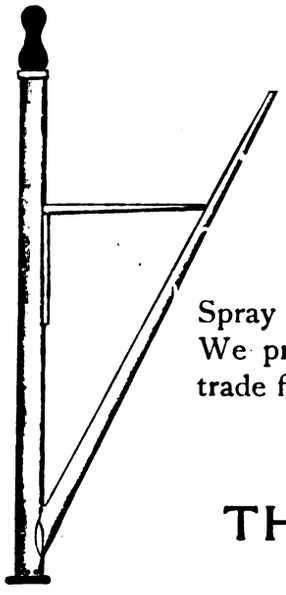
That measure a pint, a quart or a gallon accurately. A Barrel Drainer that adjusts automatically to fit in the bunghole. No bung borers needed and no molasses wasted. Coffee, Spice and Drug Mills that grind as you like it. Draw Cut Tobacco Cutters that do not squeeze through, but cut with ease. Our goods are second to none. All are fully warranted. Send for Catalogue to

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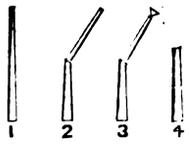
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National Barrel Drainer and Measuring Faucet.



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Spray Pump

GET OUR PRICES BEFORE PLACING YOUR ORDERS.

The finest, best, simplest and Cheapest Spray Pump on the market. Over 250,000 in use. We pride ourselves on our ability to furnish the trade first-class goods at Lowest Price.

FULL PARTICULARS ON APPLICATION.

THE STAR MANF. CO.,

CANTON, OHIO.

UP TO DATE

Retails for 10 cts.

Every Dealer Should Have Them.



Stove Polishing Mittens, with Dauber combined.

Keeps the hands from being soiled, and polishes a stove perfectly.

Per Gross, $7.00. - Sample, 10 cts.

We also have a Special Mitten for Cleaning Bicycles. Sells for 10 cents.

BOSTON TAPE MFG. Co., - 137 Pearl St., Boston.

To Stick Things Use

MAJOR'S CEMENT

Cheap, Quick and Certain.

Repairing China, Glassware, Bric-a-Brac, 15 & 25c. Major's Rubber Cement, 2 oz. bot. and in tubes, 15c. Major's Leather Cement, 15c. Major's Best Liquid Glue, 10c. Ask Dealers or mail price.

A. MAJOR CEMENT CO., 461 Pearl St., N. Y. C.

Everybody Wants Them!



So that if you have not already secured the agency of our CELEBRATED line of

"Gem" Gasoline Stoves

for the season of 1896, you had better do so AT ONCE, as they are HANDSOME, CONVENIENT, ABSOLUTELY SAFE, ECONOMICAL, LABOR-SAVING, and the ORIGINAL COST FULLY ⅓ less than the regular stoves, and consuming ¼ less GASOLINE, yet doing THE SAME AMOUNT OF WORK.

WE ALSO CALL ATTENTION TO OUR CELEBRATED

GEM OIL COOK STOVES

Which for QUALITY, STYLE and PRICE are UNEQUALLED.



THIS IS ALSO TRUE OF OUR

Extensive Line of Gas Ranges, Stoves, &c., &c.

For further information, send for catalogues, circulars, etc., to

The Dangler Stove & Mfg. Co.,

CLEVELAND, OHIO.

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The Best Equipped File Works in the World.

ESTABLISHED 1842.

Samuel W. Allerton, Prest.
C. C. Clarke, Sec'y & Treas.
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THE ARCADE FILE WORKS.

WEED'S IMPROVED CUT
GUARANTEE SEAL
ALL FILES ARE FULLY GUARANTEED
SPECIAL TEMPER

Improved Increment Cut

THE BEST IN THE WORLD.

ANDERSON, IND.

New York. Chicago.

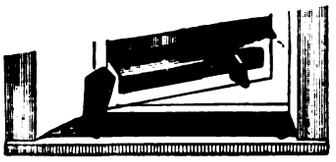
ALLERTON, CLARKE CO., Agents,

118 Lake Street, CHICAGO. 83 Reade St., NEW YORK.

AXTELL WEATHER STRIP

THERE IS NO EXPERIMENT, SOLD TO THOUSANDS WHO HAVE HAD OTHERS REMOVED AND THE AXTELL APPLIED.

Over a million applied. Never out of season.



Wholly **STEEL**, will not warp or split.
Has no **WOOD** or **SPRINGS** to break.
No **RUBBER** to harden and pull out.
DOES NOT spring the door, but **keeps it STRAIGHT** and true. Not affected by ice, cannot be **FROZEN** down or pulled apart.
We **WARRANT** it to combine every excellent point needed for a perfect strip, and invite your correspondence in regard to it.

E. I. CHURCH & CO.,
West Hanover, Mass.

The Bradley Shaft-Coupling

WIN A BUYER
BUY A SELLER
SELL A WINNER

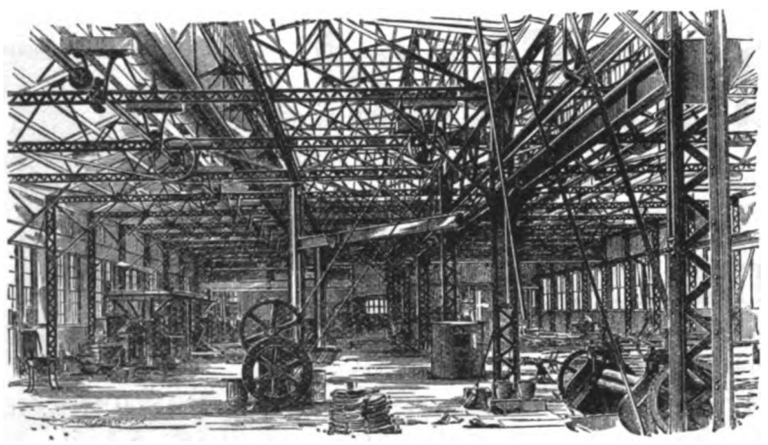


The only real quick shifting, anti-rattling coupling ever put together. Complete in itself and always ready.

No Bolts, No Nuts, No Screws, No Rubbers, No Wrench, No Rattle. Over 20,000 pairs in use. 12,000 pairs sold in 1895.

Send for Circular and Price List.

C. C. BRADLEY, Jr.,
SYRACUSE, N. Y.



The above illustration is taken direct from a photograph and shows the interior construction of an Iron Building designed and built by us for the Link-Belt Engineering Co., at Nicetown, Philadelphia, Penn. The building is 71 feet in width by 180 feet in length—divided at the center by a row of columns into two equal parts; one part being controlled by a traveling crane and the other part by jib cranes. The photograph shows the half of the building which is controlled by jib cranes. The building is constructed entirely of iron.

THE BERLIN IRON BRIDGE CO.,

Engineers, Architects and Builders of Iron and Steel Buildings, Roofs, Bridges, etc., etc.

Send for Illustrated Catalogue.



The above illustration shows a Parabolic Truss Bridge designed and built by us at Danielsonville, Conn. The bridge consists of one span of 140 feet, with a roadway 20 feet wide in the clear, and two sidewalks each 5 feet wide in the clear.

Office and Works, East Berlin, Conn.

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STOP and READ.

We **SOLD** in the year 1895

35% MORE FILES AND RASPS

THAN IN ANY PREVIOUS YEAR OF OUR HISTORY.

THIS DOES NOT INCLUDE OUR NEW

Great Western Brand.

DO YOU WANT A

BETTER RECOMMENDATION?

IF SO,

TRY OUR FILES,

THEY ARE THE BEST.

SEND FOR CATALOGUE. 450 ILLUSTRATIONS.

MENTION THIS PAPER.

PROVIDENCE, R. I.

DIXON'S
Carpenters' Pencils
DIXON'S
Lumbermens' Crayons

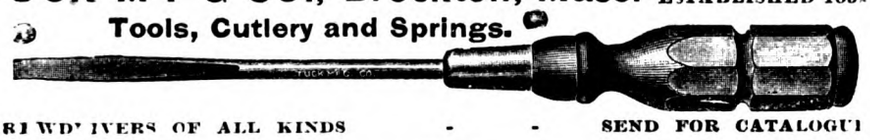
Are salable goods for any Hardware Dealer and carry with them a good profit.

Have you our 1895 Catalogue? It is sent free of charge.

Jos. Dixon Crucible Co., Jersey City, N. J.

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Tools, Cutlery and Springs.



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DEALERS IN

DIFFERENTIAL CHAIN HOISTS.

24-26 MARKET STREET, CHICAGO.

You cannot ask on the quality — We have only the best



Sand Papers IN Reams and Roll

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H.A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co

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67 BEEKMAN STREET, NEW YORK
140 MILK STREET, BOSTON
102 LAKE STREET, CHICAGO.

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The SMITH & EGGE MANUFACTURING CO.,

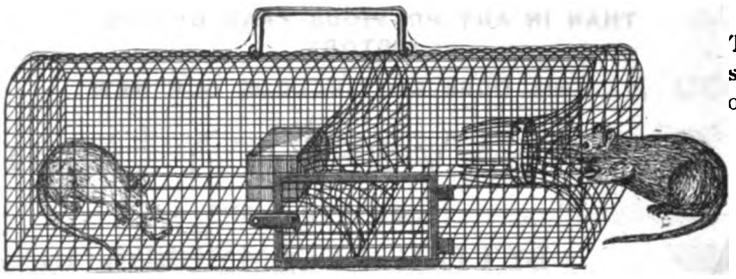
BRIDGEPORT. CONN.

MANUFACTURERS OF

"YANKEE" RAT AND MOUSE TRAPS

The most Ingenious and Effective Traps ever made.

Surest,
Safest,
Cleanest.



These Traps are well and strongly made, and thoroughly galvanized.

All TRAPS carefully packed and shipped in strong crates.

"GIANT" PADLOCKS. BICYCLE LOCKS.

"GIANT" METAL SASH CHAIN,
"RED METAL" and STEEL CHAINS.
SASH PULLEYS In IRON and BRONZE.

PLUMBERS' CHAINS.
PLUMBERS' TANK PULLS.

PIPE STRAPS, S HOOKS, AND SPLIT LINKS.

Sole Manufacturers of the

"EUREKA" PATENT SHEAR.

Patented Nov. 1st, 1881. A useful and cheap tool for cutting rods and strip metal.

Send for Illustrated Catalogue.



THE GEO. W. STANLEY CO.,

BELLEVILLE, ILL.

Manufacturers of

Cut Tacks, Small Nails,
Double-Pointed Tacks and Staples.



The "Toledo"
STEEL HOSE REELS

Will not swell or shrink.
Price is low.
Best and Cheapest Reel on the market.

Quotations on application.

The Toledo Metal Wheel Co.,
Toledo, Ohio.



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HARDWARE

VOL. XII. MARCH 25, 1896. NO. 12.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the

HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 417 ASHLAND BLOCK.
BOSTON, - - - - - - No. 137 PEARL STREET.
CINCINNATI, - - - - - No. 100 NEAVE BUILDING.
DETROIT, - - - No. 10 PENINSULAR BANK BUILDING.

Subscription, - $1.00 per year.
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THE CIRCULATION OF "HARDWARE" IS
LARGER THAN THAT OF ANY OTHER
PAPER IN THE UNITED STATES
DEVOTED TO THE HARDWARE TRADE.

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WE GUARANTEE THAT THE CIRCULATION OF
"HARDWARE" DURING 1896 WILL EXCEED

ONE HUNDRED AND TWENTY THOUSAND

AND THE SAME WILL BE PROVEN BY THE
PUBLICATION ON THIS PAGE, IN EACH ISSUE,
OF THE POST OFFICE RECEIPTS FOR COPIES
MAILED THE PRECEDING ISSUE.

Business affairs seem to be improving, slowly but surely. Reports from all directions bring encouragement—not of the boom character, but as indicating that the country is on the upward grade. Were not this a year of presidential campaigns, the outlook would be even more encouraging.

The New England Hardwaremen and their associates in the iron industry had a most successful dinner at Boston on the evening of the 19th, a report of which is found elsewhere i these pages. They know how to entertain in Boston; and the New Englander, stern and rigid as he may sometimes seem, knows how to have a good time, when the opportunity and the hour come together in the right proportions.

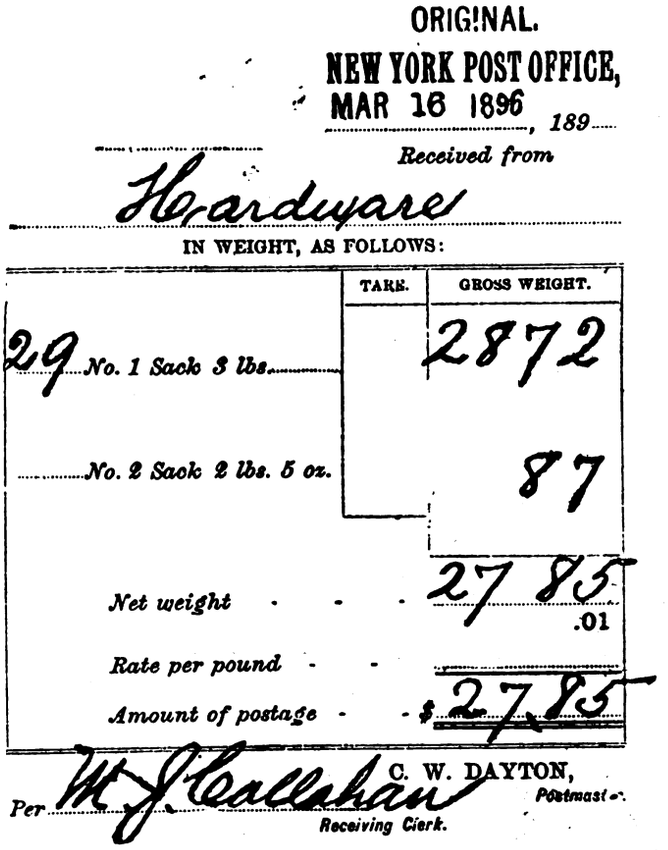
"Hardware" for March 10th.

The commendations we have received from advertisers and others, for making an exact and indisputable showing of circulation in each issue, would give assurance that we were pursuing the right course, had there been any doubts upon that point before.

The square and honest way is the *best* way.

In fact, the square and honest way is the *only* way.

"Uncle Sam" has furnished our readers with the following diagram of our exact circulation for March 10, 1896:


ORIGINAL.

NEW YORK POST OFFICE,
MAR 16 1896, 189...

Received from Hardware

IN WEIGHT, AS FOLLOWS:

	TARE.	GROSS WEIGHT.
29 No. 1 Sack 3 lbs.		2872
No. 2 Sack 2 lbs. 5 oz.		87
		2785
Net weight		.01
Rate per pound		
Amount of postage		$27.85

Per W. J. Callahan, Receiving Clerk.

C. W. DAYTON, Postmaster.

This may be set forth so plainly that he who runs may read, in the following formula:

2785×16=44,560
44,560÷9¼=4570
4570+725=5295

Which means that 44,560 ounces of *Hardwares* equal 4570 copies, when divided by 9¼ ounces, the weight of one number; add to these 725 copies mailed out under postage stamps, delivered by carrier in New York City, and kept for office use, and we have a total of 5295 issued as our semi-monthly edition of March 10, 1896.

The Problem of Good Roads.

A great many people who take a superficial view of things, are under the impression that the question of good roads is merely one interesting the wheelmen,

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and that the problem which so many practical men are now figuring out, is merely whether a bicycle rider shall have a more easy path beneath his wheel, than the country roads now existing.

The error of such conclusion is very clearly shown in a report made a few days since by the committee on railway transportation of the New York Board of Trade and Transportation.

It is there clearly shown that the question is one which interests each citizen, whether he hauls freight, or pays for its hauling; sells goods, or buys produce for his own use or to sell again; pays taxes; runs a farm, or has dealing with farmers; or has even the most remote connection with the material interests of the community about him.

The estimate is made by the good roads commission of New York, that during last year the people of the United States paid $570,000,000 more to market their produce than would have been the case had good roads existed all over the land. This is a tremendous figure, in view of the competition we are meeting from the world at large, and the close figuring required to hold our own in the markets of the world.

Here are some statements and figures worth consideration, taken from the report above referred to: "Before the construction of stone roads in Burlington County, N. J., it cost fifteen cents per basket to market truck; now it costs three cents." "There is no tax so great as the tax of bad roads, and of all persons who have to pay such a tax none have to pay it to so great an extent as does the farmer, for he has to haul all his produce to market over these roads, and also a large part of his supplies for his home over the same." "The cost of pulling a ton of freight one mile is as follows: On sand, forty cents; on hard earth, twenty cents; on macadamized roads, five to ten cents, according to perfection of road; on iron tram rails, one cent."

The following extracts are from the second annual report of the commissioner of public roads, of New Jersey:

"As all progress should be along the best lines, and as some of the best authorities predict, the coming highways will be of steel. The claims as presented are that the average cost of a macadam roadbed sixteen feet wide is about $7000 per mile. The cost of a double steel track highway, sixteen feet wide, filled in between with broken stone, macadam size, is about $6000 per mile. The cost of a rural one track road, $2000 per mile. The rails to be made of steel the thickness of ordinary boiler plate, and to be formed in the shape of a gutter, five inches wide with a square perpendicular shoulder half an inch high, then an angle of one inch outward, slightly raised. This forms a conduit for the water and makes it easy for the wheels to enter or leave the track. The advantages of steel rails are, first, longer wearing qualities than stone; second, one horse will draw on a steel track twenty times as much as on a dirt road, and five times as much as on macadam. We would therefore recommend that legislation be enacted and appropriations be made by which the commissioner should be empowered to authorize the construction of some experimental steel track roads."

The gentlemen to whom we are indebted for the report from the New York Board of Trade and Transportation above referred to, F. B. Thurber, Seth E. Thomas and Jno. A. Elmendorf, supplement and clinch their argument by the following pointed proposition:

"In conclusion, we submit the following resolution: *Whereas*, The Legislature of this State last year authorized the appointment of a Commission to consider the subject of good roads, and said Commission has reported in favor of the State taking action similar to that of sister States in aiding the construction of improved highways, and bills are now pending in the Legislature for that purpose.

"*Resolved*, That this Board considers the Governor and Legislature pledged to a policy which will enable our State to share in the enormous benefits conferred on the public by good roads, and we earnestly urge the prompt passage by the Legislature, and the approval by the Governor, of an improved road law, appropriating at least $500,000 for this purpose, a sum much less in proportion to our area and assessed valuation than our sister States have appropriated."

The Thompson-Lang Hardware Co.

The Thompson-Lang Hardware Co., of Hillsboro, Texas, were granted articles of incorporation recently, the capital stock being $50,000. The incorporators are Messrs. J. R. Thompson, W. R. Lang and J. R. Thompson, Jr., who have heretofore composed the firm of Thompson, Lang & Co. The firm will handle a full and complete line of Hardware, farm implements, buggies, wagons, etc., and in connection run an extensive plumbing and tinning business. They have recently finished a new brick building 50x120 feet, fronting on Gould Street, adjoining their warehouse, which they now occupy in connection with their store fronting on Elm Street, giving them floor space of over 12,000 square feet. The officers of the company are J. R. Thompson, president; W. R. Lang, vice president and secretary; J. R. Thompson, Jr., treasurer. The president, J. R. Thompson, has been in business in this city since 1881, commencing business in the building on Elm Street, which the company still occupy, and has a reputation as a good business man, excelled by none in Hill county. W. R. Lang has been connected with the firm for several years, and his energy and good business methods have done much toward the upbuilding of the large trade they enjoy. J. R. Thompson, Jr., who entered the firm in January, 1895, is a young man of sterling worth and good business talents. The company enters its new career with bright prospects for a continuation of the past success of the firm.

Butterfield & Co.'s Catalogue.

Butterfield & Co., Derby Line, Vt., and Rock Island, Canada, have gotten out an attractive catalogue for 1896. The cover is in light blue, bearing in gold lettering the name and locations of the company. The company manufacture stocks and dies, solid die plates, Reece's new crew plates, taps and dies for all uses, Young's axle cutter and tools for engineers' and steam fitters' use. The company are offering an entirely new line of machinists' Derby, blacksmiths' and bicycle screw plates, shown on pages twelve to twenty-one, inclusive, of the catalogue. The catalogue is conveniently indexed. It is an attractive and useful document for any Hardwareman.

The retail branch of the Pope Mfg. Co., Nos. 219 to 223 Columbus Avenue, Boston, Mass., was visited by a disastrous fire on March 12th. The contents of the building, including nearly 1800 wheels, 5000 tires, 20,000 bicycle parts, and some 175 second-hand wheels used in the riding academy, were ruined. The loss is estimated at $25,000, fully covered by insurance. The building was of six stories and was the personal property of Colonel Pope.

The Central Hardware Co., of Frederick, Md., has been incorporated by Douglas H. Hargett and others; for mercantile purposes.

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National Association of Manufacturers.

The following are extracts from a circular sent out by the National Association of Manufacturers, stating the purposes of the Association:

"The National Association of Manufacturers is an organization of business men for business purposes. They are associated together simply for the purpose of extending and widening the avenues of trade and commerce, and for removing the obstacles in the way of fair competition in our own markets, and for improving the conditions governing our trade with other countries. Every question with which this Association has to deal is to be considered from a purely business and practical standpoint. It is the aim of the organization to represent every class of manufacturing interests without regard to political or sectional lines. In order that the character of the work which this Association has undertaken may be more fully and more clearly understood, some of its principal specific purposes are outlined briefly as follows:

EXTENSION OF OUR MERCHANT MARINE.

"The decline of American shipping from a position of supremacy upon the seas to an insignificant place in the world's merchant marine is one of the most deplorable features in this country's history. The increase in steam tonnage carrying the United States flag is not sufficient to make up for the decrease in sailing vessels, so that the total tonnage of our merchant marine shows no increase. Forty years ago, when the shipbuilding industry was most active, 583,450 tons of new steam and sail tonnage were built in a single year, while during the fiscal year 1894–95 only 132,719 tons of carrying capacity were added to our merchant marine. Forty years ago over 63 per cent. in value of the imports into this country by sea and over 70 per cent. of the exports to foreign countries were borne by American vessels, but last year they carried only 15 per cent. of our imports and but 8.2 per cent. of our exports. In the belief that all our maritime commerce should be carried in vessels sailing under the United States flag, the National Association of Manufacturers declares itself in favor of a judicious system of subsidies in order to restore and extend the merchant marine of this nation.

CONSTRUCTION OF THE NICARAGUA CANAL.

"The commercial importance of the Nicaragua Canal is generally recognized, and the construction of this great work seems assured. It is essential to the welfare of the United States as well as to the commercial interests of the country, that this canal should be constructed and operated under the control of the Federal Government. The completion of the canal would open a new channel of trade between the Atlantic and Pacific ports of the United States, and would give great impetus to American trade with the Orient and the west coast of South America. The commercial and strategic importance of the Nicaragua Canal cannot be measured in money, and whatever might be the cost of its construction and operation, this country could not afford to permit the control of the enterprise to pass into the grasp of another nation, or to be risked in the hands of a private corporation. The National Association of Manufacturers has placed itself on record as favoring the construction and operation of the canal under the control of the United States Government, and to hasten the undertaking of this great enterprise is one of the aims of this Association.

DEPARTMENT OF MANUFACTURES AND COMMERCE.

"The movement inaugurated by this Association for the creation of a Federal Department of Manufactures and Commerce has met with singular approval and support from business interests of many kinds. Agriculture has its representation in the Cabinet of the Federal Government, while the manufacturing interests of the country, with an annual aggregate of products nearly three times as great in value as all the products of agriculture, have no representative in the departments. Every consideration demands that the manufacturing interests, which are the largest factor in the prosperity of the nation, should have the service of a cabinet officer, whose duty it should be to promote in every possible manner the welfare of the productive industries. As the greatest manufacturing nation in the world, we are still behind countries of far less importance in our agencies for promoting and developing industrial and commercial interests. Such governmental institutions as the proposed Department of Manufactures and Commerce have proved to be of the utmost importance in stimulating the trade of other nations." The above will give some idea of the scope and importance of the Association.

FORM OF ORGANIZATION.

The organization of the National Association of Manufacturers embraces the customary president, treasurer and secretary, and in addition a vice-president for each State and Territory. The executive committee, in which is vested the active management of the affairs of the Association, consists of the president, treasurer and secretary, the vice-presidents from the twelve States which produced the largest output of manufactured goods according to the latest Federal census, and four members-at-large elected by the committee.

The present officers of the Association are as follows: President, Theodore C. Search, Philadelphia, Pa.; treasurer, Robert Laidlaw, Cincinnati, Ohio; secretary, E. P. Wilson, Cincinnati, Ohio. Executive Committee: Vice-presidents, Warner Miller, New York City; John H. Converse, Philadelphia, Pa.; John B. Kirk, Chicago, Ill.; Thomas P. Egan, Cincinnati, Ohio; Frederick W. Sivyer, Milwaukee, Wis.; P. L. Studebaker, South Bend, Ind.; Elwyn W. Lovejoy, Lowell, Mass.; Benjamin Atha, Newark, N. J.; John B. Howarth, Detroit, Mich.; Pliny Jewell, Hartford, Conn.; H. L. Story, Altadena, Cal. At-Large: Charles A. Schieren, Brooklyn, N. Y.; James Phillips, Jr. Fitchburg, Mass.; J. F. Hanson (vice-president), Macon, Ga.; C. D. Mitchell (vice-president), Chattanooga, Tenn.

A copy of the taking little "Laundry Journal" issued by the Rocker Washer Co., Fort Wayne, Ind., has come to hand. It contains a full illustrated description of the "Rocker Washer" manufactured by them, the chief points for which are contained in the following description: "The Rocker Washer produces five times the agitation of the old closed washers, and in addition, forces the water through the clothes as they strike against the corrugated ends, and by means of the inclined triangular devices on the sides, changes the flow of the water, turns the clothes over with every throw of the rocker, and thus exposes all parts of the clothes to the corrugated sides and to the cleansing action of the flow; all without any possibility of tearing or injuring the most delicate fabrics. It does its work quickly, thoroughly and completely, so that no hand rubbing is required."

A. Tredway & Sons Hardware Co., Dubuque, Iowa, have issued a catalogue of bicycles and bicycle sundries. The company are the sole distributing agents for that section of the country for the Tribune, manufactured by the Black Mfg. Co., Erie, Pa. They carry the Wizard, a wheel made for them, and the Sir Julien, Lady Julien, Robin Hood, Rosalind, and three juvenile wheels. Their bicycle sundries include lamps, bells, cyclometers, wrenches, pumps, saddles, cements, etc.

The Crosser Hardware Co., of Delta, Colo., has been, incorporated by George E. Blake, W. H. Crosser and J. B. Bassler. Capital stock $9,000.

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All About "Expanded Metal."

A catalogue of somewhat unusual interest has just been issued by the associated Expanded Metal Companies. This important industry is now represented by the following companies, each of which is a licensee for the manufacture, sale or construction of the material in its specially assigned territory: The Northwestern Expanded Metal Co., Chicago; the Central Expanded Metal Co., Pittsburg and New York; the St. Louis Iron, Wire & Expanded Metal Co., St. Louis; the Expanded Metal Fireproofing Co., Chicago; the Expanded Metal Fireproof Construction Co., New York; the Eastern Expanded Metal Co., Boston; the Southern Expanded Metal Co., Washington and Baltimore; Merritt & Co., Philadelphia.

As stated in the book, which is a neatly bound volume, 7 inches by 4 inches, of 132 pages, it is the joint production of the eight corporations, and is a comprehensive treatise on "Expanded Metal and its uses in Fireproof Construction." The whole scheme of the book is to show what has been accomplished in the line of fireproofing work, and it may be said that the range of their operations is most comprehensive, as there is no feature of this class of work which they have not performed. They have no less than nine different systems of floor construction, besides partitions; walls, ceilings, domes, coves, etc., etc. The book is filled with illustrations of the various kinds of work which they have performed, together with long lists of prominent buildings erected by leading architects in all parts of the country.

In addition to a thorough exposition of the uses of Expanded Metal, the book contains a valuable chapter on engineering topics as applied to architecture, edited by Geo. S. Hayes and Jas. E. Boatrite, civil engineers of New York. This department contains twenty full-page tables showing the carrying capacity of wood beams, steel I beams, round and square cast columns, steel columns, etc., etc., all figured according to the building laws of New York, Boston and Chicago. These tables are of special interest to engineers and architects, as they will serve as time-savers in designing all classes of buildings. This feature alone will make the book of great value to the entire building fraternity.

Davis & Stevens Mfg. Co.'s Pumps.

The Bicycle Pumps here shown are manufactured by the Davis & Stevens Mfg. Co., Seneca Falls, N. Y. Fig. 1 is the Cyclone No. 3, which is described as a desirable and



FIG. 1.

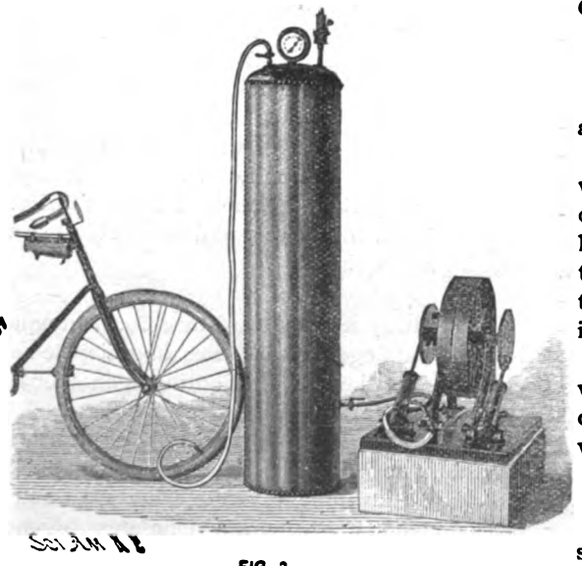


FIG. 2.

efficient pump. The cylinder is nickeled and is 1½ by 12 inches. It has a steel plunger and capped leather packing and a steel ball valve. The price is $1.75. Fig. 2 represents the Power Cyclone No. 1, which is designed for bicycle use. It has two brass cylinders each 2 by 8¼ inches, and is provided with tight and loose pulleys 18 inches in diameter. The pump is fitted for power only, or for hand and power both. These pumps can be furnished with 21 or 30-gallon tank, pressure gauge, safety valve, hose and stop cock. The price of the pump is $20, or complete with pump, 30-gallon tank, stop cock, hose and connections, $35.

The Champion Heater.

A new heater is now being put upon the market by the Turner Specialty Co., No. 146 Franklin Street, Boston, called the Champion. It is an ingenious contrivance, which can be attached to a lamp chimney with absolutely



no interference with the light. This heater has a fan wheel between two disks, making a revolving current of hot air, thus utilizing the waste heat. Large rooms can be heated with it, also water, etc. It is claimed to be "the best yet put upon the market," and sales are already quite large. Other specialties will soon be brought out by this company.

The Atkins Co. Fire.

E. C. Atkins & Co., saw and tool manufacturers, Indianapolis, Ind., make the following announcement:

"On the morning of the 10th, we lost a portion of our works by fire. The fire was a disastrous one, destroying our Band and Hand Saw departments, and causing us a loss of something over $100,000, and a temporary interruption of business in those departments; but we will have them in running order so that we can supply our customers in a short time.

"Our Cross-cut, Wood Saw and Circular departments were not injured by the fire, and orders for goods in those departments will have our usual prompt attention, and we will resume business in all departments at an early day."

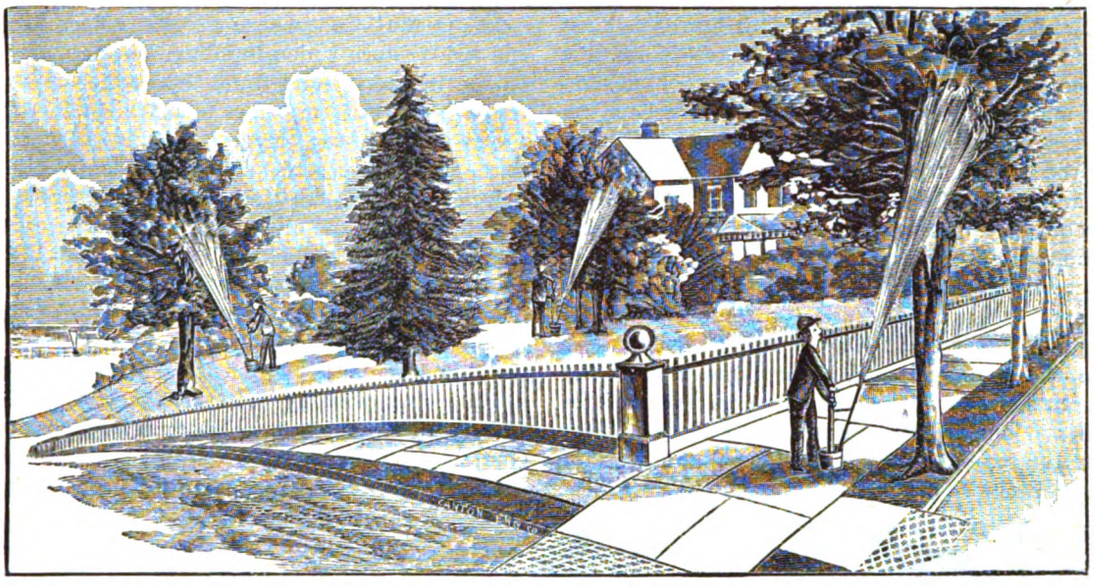
E. C. ATKINS & CO.

The Fenton Metallic Mfg. Co., Jamestown, N. Y., some six weeks ago established a sole European depot for Fenton bicycles at No. 35 Rue Vivienne, Paris, France. The wheel is meeting with a most enthusiastic reception there, and the company have received quite a number of cable orders from the agency, whose managers write that "everything is booming in the direction of Fenton Wheels."

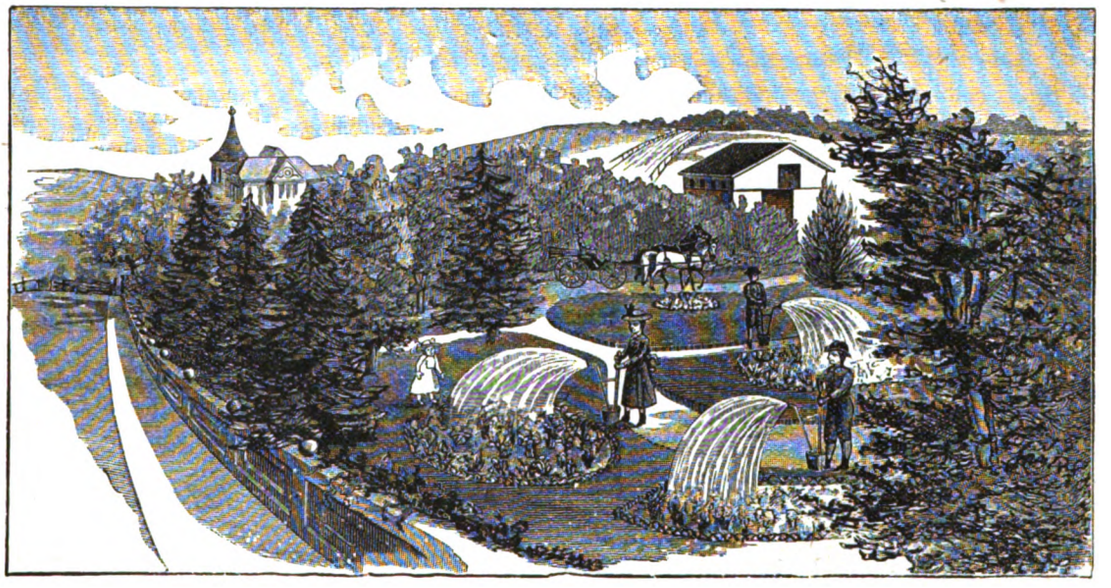
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Smith's Patented Novelty Force Pump and Sprayer.

The illustrations herewith are of Smith's Patented Novelty Force Pump and Sprayer, offered by the Star Mfg. Co., Canton, Ohio. The company remark that the simplicity of construction and ease of operation are some of the qualities that recommend the sprayer. The air valves and hinges are made of copper, and a perforated bottom prevents all substances from getting into the pump that would



otherwise obstruct the valves. The manufacturers state that the sprayer is always ready for use, is not liable to get out of order, and is so light and convenient that it can be used easily and effectively by a lady or a child. The pump is used in a bucket and is provided with a variety of nozzles for throwing streams of different sizes. It is pointed out that many fires attended with loss of property, could easily be extinguished in the first stages, were there efficient means of applying water at hand, which is supplied by the use of the sprayer. It can also be used for throwing liquid solutions to destroy noxious insects and



bugs of every nature on plant, vine and tree. It is explained that the tallest trees can be sprayed with this pump by using No. 4 tree spray which will throw a spray, fine as mist, that will rest where it falls. It is recommended for use in orchard or vineyard, as it will throw a stream sixty feet or more. The following are the directions for using the sprayer: "To properly fill the pump draw the plunger up slowly, for spraying and showering about one-fourth, and for other purposes one half the length. For extinguishing fires, washing high windows, hiving bees, showering trees, etc., use the straight tube No. 1. For washing carriages, low windows, sprinkling dusty streets, etc., use elbow nozzle No. 2. For general sprinkling and showering on flowers, vines, plants, etc., use the elbow spray No. 3. For showering trees, etc., use straight spray No. 4."

Through the indefatigable efforts of Mr. J. L. Pollitt, London manager of the Bissell Carpet Sweeper Co., the subject of prison made goods has been seriously discussed by the English Parliament, and according to the English Blue Book just published it would seem that the result will doubtless be that goods heretofore made in German prisons, consisting of carpet sweepers, brushes, mats, etc., and placed upon the London market ostensibly as English made goods, will be prohibited.

The Illinois Pure Aluminum Co., Lemont, Ill., have just completed a new addition to their factory, which adds fifty per cent. more floor space and puts them in shape to handle a large volume of trade. The use of aluminum utensils must be on the increase.

The Penn Hardware Co., of Reading, Pa., has application for charter, with the following incorporators: C. R. Heizman, A. A. Heizman, Theodore I. Heisman, I. S. Ermentrout, and Luke E. Fichthorn. Capital stock $415,000.

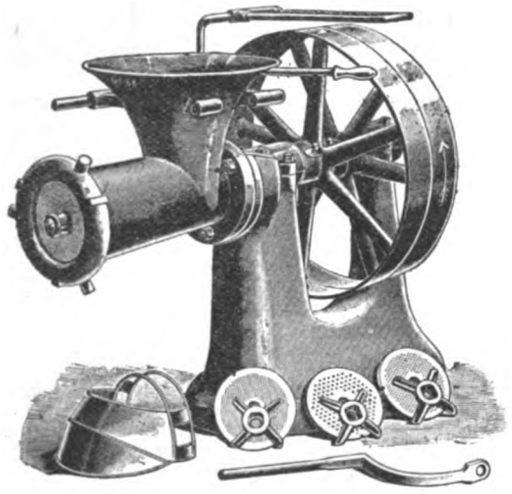
HARDWARE costs only One Dollar a year.

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The Enterprise Meat Choppers.

The Enterprise Mfg. Co. of Pa., Philadelphia, Pa., manufacturers of the celebrated Enterprise Meat Choppers, which are acknowledged to be of the best of the kind on the market, have made a decided improvement in their geared power choppers. Their experience of ten years has demonstrated the necessity for so doing by reason of the following drawbacks: First—Rapid wear of the knives and plates, due to the abuse of the tail screw, and, partially, to the construction of the machine. Second—Heating and rapid wearing of the thrust bearing or tail button against which the end of socket shaft works. Third—Noise, due to the unavoidable imperfection of cast gears. In designing the new machine the above difficulties have been removed, and a number of wearing parts are no longer necessary. By the new construction all flexibility in the frame is removed, and with it the necessity for excessive pressure, heretofore required to keep the knife and plate in contact, even when new and in good condition.

The tail screw which seemed to be a constant temptation to the operator to improperly use for forcing the knife against the plate, has been done away with entirely. As a consequence, the knife and plate, by actual test, last twice as long without sharpening. The heating and wear of the tail button in the old machine was due to the excessive pressure referred to, and partly to the fact that it was too small for its legitimate work. They have substituted for the tail button a thrust collar directly behind the socket shaft. The thrust is here taken by a phosphor bronze washer working against hardened steel faces, the whole constantly flooded with oil. As shown in the illustration, the pulleys, 28 inches in diameter, are placed on the socket shaft, thus obviating all gears and avoiding all noise. Prospective purchasers would do well to look into the merits of this new chopper before buying, as it will undoubtedly be to their interest to do so. All the leading butchers' supply houses sell them. The company will be pleased to mail one of their illustrated catalogues to any who make application.



Sizes of Guns.

Guns have been constructed up to 110 tons, exclusive of fittings, which would bring their weight up to over 160 tons. The projectiles for this piece of ordnance weighed nearly a ton, and cost £150. The powder charge was nearly 1,000 lb., and cost about £65. The projectile leaves the gun with a velocity of 2,000 feet per second, having an energy of about 50,000 foot-tons. Some of these figures have, however, been exceeded, as in the case of the test of the Armstrong 110-ton gun made in 1891, against an armour-plate — made at the Atlas Works, Sheffield — 7 feet square and 20 inches thick. In this case the weight of the armour-piercing projectile used was 1,813 lb., the muzzle velocity was 2,079 feet per second, giving a striking energy of 54,320 foot-tons. The projectile passed through 62 feet of materials, including 20 feet of compound plates, 20 feet of oak backing, 11 feet of granite and masonry, and 11 feet of concrete. The naval powers of the world are now pretty well agreed that ordnance of this size is too heavy and too costly for ordinary use. After less than fifty charges, these guns have to be relined, at enormous expense. The largest guns recently made have been of 13½ inches calibre and 67 tons weight.

Easy Riding Handle.

The Q. & C. Co., whose general offices are at Nos. 703 and 706 Western Union Building, Chicago, are just placing on the market a new Hand-Grip which is herewith illustrated and which promises to mark an important step in the evolution of the bicycle. The most important feature of the rubber tire, which has revolutionized the making of bicycles, is its resilience, and manufacturers of tires in their advertisements and elsewhere always lay great stress upon this quality. It is claimed for the "Q. & C." Hand-Grip, and the company state that the claim seems to be borne out by the testimony of many riders who have tried it, that it entirely does away with the excessive jar to the hand, wrist and forearm caused by passing over obstructions while riding, thereby materially increasing the efficiency of both the wheel and its rider, as well as adding to the comfort of the latter by preventing entirely the strain upon the nervous system caused by the jar of the handles on the ordinary bicycle. The company remark that notwithstanding the resilience of the pneumatic tires now used the jar caused by the wheel passing over obstructions is communicated to the wrist, to the forearm and the shoulder, and if the rider is leaning far forward, as most rapid riders do, to the body itself. It is pointed out that the purpose of the handle, which, as shown in the cut, has attached to it a strong spring, is to take up the motion caused by the oscillation of the wheel. This coiled spring arrests all motion before it reaches the handle, while the handle is so adjusted to the bar that it is inflexible laterally and so rigid vertically as to permit the weight ordinarily placed upon the handle by a rider.



Walter J. Shepard, who was formerly a member of the Shepard Hardware Co., Buffalo, N. Y., has connected himself with the Geo. L. Squier Mfg. Co., of the same city, and has been elected president thereof. His many friends will be glad to meet and greet him in this new and responsible position. The company make a specialty of sugar, coffee and rice machinery.

There are manufactured in the United States 8,000,000 kegs of nails in a year.

Golf sticks and roller skates have been recently made of aluminum.

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Monarch Models for 1896.

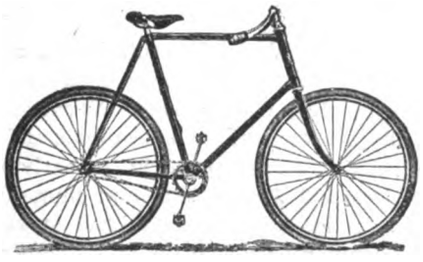
We illustrate herewith two of the Monarch Cycle Mfg. Co.'s models for the season of 1896. The wheels are described as follows: Model 21, Monarch 21-inch double drop frame. Seat mast, upper and lower drop main tubing 1 inch Mannesmann, with rear stays and forks ⅝ inch. Head 9 inch ball bearing, with 1¼ inch tubing. 26 inch wheels. Detachable sprockets, front and rear. Plymouth rims. Humber pattern chain. Monarch patent crank shaft bearings. Detachable, round tapered cranks, 6 inch throw. Width of tread, 5¾ inches. Tubular L seat post, with solid



MODEL 21.

top bar. Cold swaged, double butted steel tangent spokes, tied, with 28 to front and 32 to rear wheel. Monarch rubber pedals. Garford saddle. 62 gear. Monarch raised handle bar, 13-16 inch. Cork handles and white tips. New York 1⅝ inch tires. Weight 22 pounds. Black tool bag, with pump, wrench, screw driver, oil can and repair kit. Finish, handsome black enamel, wlth nickeled parts and spokes. Options—No. 77 Hartford single tube, or Morgan & Wright quick repair tires. Hunt saddle. Weight 22 lbs. Price $80."

Model 40. "Monarch 24-inch Diamond frame. Mannesmann 1⅛ inch tubing for main top, seat, mast and main lower, with ¾ inch tubes for rear forks and stays. 10 inch head, with 1¼ inch tubing. 28 inch wheels. Detachable sprockets, front and rear. Barrel hubs. Built-up wood rims, fitted with nickel plated eyelets in spoke holes and finished in mahogany. Humber pattern chains. Monarch patent crank shaft bearings. Detachable, round, tapered cranks, 6½ inch throw. Width of tread 5⅛ inches. Tubular L seat post, with solid steel top bar. Cold swaged, double



MODEL 40.

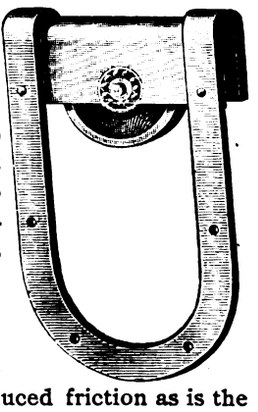
butted steel tangent spokes, tied, with 32 to front and 36 to rear wheel. Brandenburg rat-trap pedals. Garford T saddle. Gear 68. Monarch adjustable handle-bar, 13-16 inch. Cork handles and black tips. M. & W. 1⅝ inch quick repair tires. Weight 22 pounds. Black tool bag, with pump, wrench screw-driver, oil can and repair kit. Finish, Brewster green enamel, handsomely striped, with nickeled parts and spokes. Options—New York, Palmer, Dunlop, No. 80 Hartford, single tube tires. Gear, 63, 66½ or 72. Monarch or Brandenburg rubber pedals. Hunt saddle, 22 or 26 inch frame. Weight 22 lbs. Price $100."

Dunlap's Seasonable Goods.

C. W. Dunlap & Co., No. 88 Chambers Street, New York, are placing on the market a large line of Hardware novelties, including garden sets, kitchen knives, tack hammers, ice awls, lemon squeezers, socket ice chisels, ice axes, patent carpet hammers and band ice picks. The garden set includes a hoe, spade, rake, fork, trowel and weeding hook. The blades are made of cast steel, the shanks being made of malleable iron, socket shaped, which, it is remarked, leave no tangs to pull out of the handles. The kitchen knives are made with wooden handles, the blades being of crucible cast steel, carefully hardened in oil, which, it is stated, makes a first class knife. The tack hammers are of the adze eye style, with tinned or nickeled heads. The ice awls have cast steel forged and hardened, slender blades, in different lengths. The lemon squeezers are made from malleable iron, heavily coated with pure tin, and have deep bowls. The socket ice chisels have cast steel blades, hardened and tempered, with handles of different lengths and styles, suitable for fish dealers, ice cream makers and undertakers. The ice axes weigh 2½ pounds each, with 16 inch handles; they are also made with 22 inch axe handles, and are intended for the use of hotels, butchers and ice cream makers. The carpet hammers have forged cast steel claws, and it is pointed out that the process by which the heads are fastened to the handles makes it impossible for them to fly off. The ice picks have tempered cast steel blades with oval points.

Lane Bros. New Hanger.

The accompanying cut shows a new hanger, Lane's Special No. 50, which is about to be introduced to the trade by Lane Brothers, Poughkeepsie, N. Y. The makers claim a combination of the following desirable points, namely U shaped frame, covered Hanger, and anti-friction any distance. The frame is of steel, quite similar in shape to the original Lane Steel Hanger. It has a complete cover, having the two sides bolted together, with sleeve between, which greatly strengthens that part of the Hanger. Inside the wheel and around this sleeve are the steel rollers as shown in the cut. "With this construction there is rolling friction only, and not merely reduced friction as is the case with many so-called long distance anti-friction hangers." The new goods are well recommended, and fully guaranteed by the makers.



The most notable as well as interesting development of business methods that has come into public notice during the past three or four years is to be found in the changed attitude of business concerns toward the advertising question. It is gradually being conceded by the most progressive business men that the advertising question is among the two or three most important ones they have to consider, affecting directly both the volume and the quality of their trade. This attitude has been held for a long time by dealers in specialties, such as patent medicines, but it has not been regarded as essential to success in retail trade until within a comparatively recent period.—*Newspaperdom.*

The Diamond Machine Co., Providence. R. I., have just perfected a new and improved machine for grinding cotton mill spindles from the forging. The machine i a combination of their Universal and knife grinders, with the necessary attachments for grinding the spindles to the proper taper. The machine is said to give perfect satisfaction, and, although but recently completed, orders have been placed by several manufacturers of spindles.

A well-known Elmira undertaker has an advertising device which is at least suggestive. The undertaker is presenting his friends with a celluloid pincushion made in the shape of a heart, the front of which is adorned with an excellent likeness of himself, and bears these fateful words: "When your heart stops beating send for me."—*Elmira (N. Y.) Gazette.*

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RECENT TRADE PUBLICATIONS.

The Fenton Metallic Mfg. Co., Jamestown, N. Y., are sending out an elegant catalogue describing their wheels. The front cover represents a fair rider, mounted on a Fenton, wheeling along a winding road. The coloring is a combination of blue, white and gold, and has a very pretty effect. The back cover bears the company's well-known trade mark on a back ground of gold. The company's greeting is as follows:

Wise is the man who careful heeds
The thing he sees, the book he reads;
And then applies them to his needs,
As the occasion fits.

"Wisdom," says an old proverb, "may not be fully learned from one book." "Therefore it is that we add again our mite to the accumulation of bicycle lore. And, though we cannot boast of being the oldest, nor yet the largest, cycle manufacturing firm in the world, we may, with honest pride and perfect truth, assert that we have been building bicycles for four years, and that we have builded honestly and well. The art has received from us some original ideas which older and larger establishments failed to devise, though, sooth to say, they were ready enough to adopt when once taught the lesson. Our plant is large enough to build all the bicycles we can sell, and we have ample capital to conduct as large a business as we can build up. By this we want you to understand that Fenton bicycles are not made for quantity, but for quality. Hence, though we might easily turn out a much larger number of bicycles if we adopted other and more usual methods, it would be to the detriment of a standard of workmanship which we in no way propose to sacrifice. By the fulfillment of this policy our output is much smaller than it might be, but every bicycle we make is a Fenton. It is recorded that a sow with a large family at her side once taunted a lioness because she brought forth only one offspring. 'True,' replied the royal beast, 'but that one is a lion.'"

We have at hand catalogue "B" issued by L. Boardman & Son, East Haddam, Conn. On page 2 of the catalogue is an engraving of the company's works at East Haddam. The company say: "All goods of our manufacture, which bear our name, are warranted to be equal, if not superior, to the generality of such class of wares offered in market. We use nothing but the best grades of metal for their base. Our silver-plated table ware is heavily plated on all parts alike with pure silver, on the finest quality of nickel silver, and hand burnished. These goods are carefully weighed before and after depositing the silver thereon, insuring us no hesitation in warranting the full amount of silver on the goods as represented. Our 'Standard Plate' is stamped: Table spoons and medium forks, L. Boardman & Son, A. 1. 4.* Dessert spoons and forks, L. Boardman & Son, A. 1. 3.* Tea spoons, L. Boardman & Son, A. 1. 2.* Our 'Double Plate' is stamped: Table spoons and medium forks, L. Boardman & Son, A. 1. 8.* Dessert spoons and forks, L. Boardman & Son, A. 1. 6.* Tea spoons, L. Boardman & Son, A. 1. 4.* Our 'Triple Plate' is stamped: Table spoons and medium forks, L. Boardman & Son, A. 1. 12.* Dessert spoons and forks, L. Boardman & Son, A. 1. 9.* Tea spoons, L. Boardman & Son, A. 1. 6.* Our nickel silver table ware (without plate) are not light weight goods, made from poor quality metal and sold as German silver. We guarantee these goods to be solid and uniform quality throughout, with no coatings to wear through or flake off, and with no liability to rust. Our Britannia spoons contain no lead, and cannot be excelled in quality, strength of metal, or finish. We feel confident that we can supply to the trade superior goods at satisfactory rates." The catalogue contains innumerable illustrations as well as the prices of the productions of the company.

The Crawford Mfg. Co., Hagerstown, Md., have gotten out a neat catalogue relative to their line of bicycles for 1896. The company will carry eight models ranging in price from $40 to $75. The company remark that all Crawford cycles are finished in the best possible manner, great care being used in preparing all parts before the application of either nickel or enamel. The hubs, cranks, pedals and spokes, and other small parts are heavily nickel-plated on copper. The enameling is done in a most thorough manner. The following are the specifications for their model No. 29, $75, gentlemen's wheel: Frame—Improved diamond pattern; Mannesmann steel tubing throughout; upper and lower reach and upright, 1⅛-inch, 22 gauge; rear fork, ¾-inch, 20 gauge; rear braces, ⅝-inch, 22 gauge; sheet metal head connections; barrel bracket and seat-lug drop forged. Wheels—28-inch; fitted with best Hartford single tube, M. & W. Quick-repair, G. & J., or Dunlop tires. Spokes—Tangent; standard swaged; 15 gauge; nickel-plated. Hubs—Barrel-turned from steel bar, and detachable sprocket. Rims—Laminated wood. Brake—Direct-plunger pattern; fitted with noiseless cone-adjustments and detachable handle-bar clip. Bearings—Ball throughout; positively oil-retaining and dust-proof. Head—10-inch ball bearing, with hardened steel cones cut from the bar. Handle-bar—⅞-inch weldless steel tubing, 18 gauge; either drop or raised pattern; 18 inches wide. Chain—¼-inch Indianapolis, hardened throughout. Chain-adjustment—Rear, with set-screws. Front fork—Seamless, including crown tubing, with sheet-metal crown nickel-plated. Cranks—Drop-forged and hardened; round, 6½-inch. Gear—Optional: 60 to 72. Pedals—Crawford pattern, either rat-trap or rubber. Saddle—Gilliam, Hunt, or Garford, at our option. Wheel-base—44-inch. Weight—22½ pounds.

The Detroit Stove Works, Detroit, Mich., and Chicago, under the title of "Detroit Jewels," issue a handsome catalogue on Detroit Jewel Gas Stoves. Views of the works at Detroit, the Western offices, salesrooms and warehouse, and of the Buffalo agents, appear in the early pages of the catalogue. Detailed descriptions and numerous illustrations of the large line of gas ranges and stoves manufactured by the company are also given. The company say: "We have a reputation to maintain and cannot afford to put out any stove bearing our name and mark which cannot be fully guaranteed for operation and endurance. Our aim will be to please our customers, and in our works we have unequaled facilities for turning out fine stoves, almost unlimited in quantity, and the reputation of Detroit stoves is in itself an assurance that anything we produce will be excelled by none. We possess great advantages over other gas stove manufacturers in that we have our own complete pattern shop, and that we make all our own castings and are not compelled to accept inferior work from outsiders. The Jewel line is thoroughly advertised, and every stove sold is satisfactory to the user, therefore stoves bearing the Jewel trade mark are easy to sell. An ample supply of advertising matter will be furnished our customers for distribution."

The Monarch Cycle Mfg. Co., Lake, Halsted and Fulton Streets, Chicago, have published an artistic catalogue of their 1896 line of wheels. The fourth page is devoted to a handsome illustration of the company's huge plant. Scattered profusely through the pages of this book are little

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views showing the Monarch put to many different uses. One shows a cowboy of the woolly West lassoing a steer, while mounted on his trusty wheel; another shows a soldier fighting on his silent steed, and a third shows a fin-de-siecle elopement on the bicycle. The company say: "Monarch bicycles need no introduction. They are well and favorably known in every civilized country on the globe. While we are not the oldest makers, we have most successfully passed through all the experimental stages of an infant industry, and have established a trade and reputation for our production second to that of no other maker, not only in America, but in the world. We have from the first endeavored to make Monarchs as good as it was possible for the trinity of mechanical skill, capital and energy to produce. We have always bought the best material, regardless of cost, and have employed the most scientific method of construction. As a consequence, Monarchs have been accepted from the beginning as bicycles of the highest grade, embodying advanced ideas, and have universally withstood the unfailing test of actual service. The demand for them has increased at a phenomenal rate, extending not only throughout America, but to every land in which bicycles are used. This remarkable growth, we believe, is generally recognized as without a parallel in the trade, and we take it as a reasonable endorsement of the quality of Monarchs."

The Monarch Stove Co., Mansfield, Ohio, and St. Paul, Minn., have issued their illustrated catalogue F, of Monarch vapor and gas ranges and stoves The cover is finished in tawn, through which runs an artistic design in yellow chrysanthemums. In the lower right hand part of the front cover is the well-known trade mark of the company, while in the upper left hand cover a burning torch is represented. The company, under the caption, "Comfort in Cooking," say: "These words afford food for reflection. Their connection with Monarch vapor and gas stoves serve to call attention to the line, and if we can get you, Mr. Stove Dealer, to read and reflect upon the matter shown on the following pages, we will have demonstrated to you not only that 'comfort in cooking' can best be secured by using a Monarch, but that your own business will be rendered more profitable by your becoming thoroughly imbued with this idea, and Monarch vapor and gas stoves will become a 'household word' in your community. You want to build for the future, and secure the best returns for your labor. Will attractive designs, novelty of features, perfection in mechanical construction and satisfaction in operation bring this? Order samples and subject them to the most severe test and comparison, and await results." The illustrations cover a large line of vapor and gas ranges and stoves.

The Bigelow & Dowse Co., No. 229 Franklin Street, Boston, Mass, have issued two catalogues for 1896. One is devoted to Hardware, and illustrates and describes a variety of articles, including sleigh bells, spring hinges for screen doors, screen doors, window screens, hoes, garden rakes, forks, oil stones, ice cream freezers and lawn mowers. The other is a catalogue of bicycle sundries. The company say: "Recognizing the necessity of a full and complete assortment of bicycle sundries as a profitable and necessary addition to every Hardware dealer's stock, we have made a special effort to meet that demand both in variety and price. It has been our aim to have nothing in our list that is not 'up to date' and thoroughly reliable." The line of sundries carried by the company is a large one.

The Trenton Watch Co., Trenton, N. J., offer some interesting facts in reference to their cyclometers, in the shape of a booklet. The front cover is taken up with the trade mark of the company and the back cover is filled by a picture of the company's factory at Trenton. The company say that the mechanical facilities of the Trenton Watch Co. for producing perfect instruments in large quantities are unsurpassed, having all of the advantages of a large watch factory, fully equipped with automatic machinery and all kinds of labor-saving devices. The catalogue contains illustrations of the Trenton cyclometers and the Trenton chronograph.

The McIntosh-Huntington Co., Cleveland, Ohio, have gotten out a most comprehensive spring catalogue for 1896. The goods carried by the company embrace steel goods, hay tools, hay carriers, seeders, pruning shears, horse clippers, rubber hose, hydrants, filters, refrigerators, ice cream freezers, poultry netting, screen doors, spring hinges, circular saws, milk cans, hammocks, Warner locks, Riverside Tool Co.'s hammers, sewing machines, lawn mowers, etc., etc. The company's line of bicycles, including the Sunol, Hercules, Stella, American King and Queen of Scorchers, are well known.

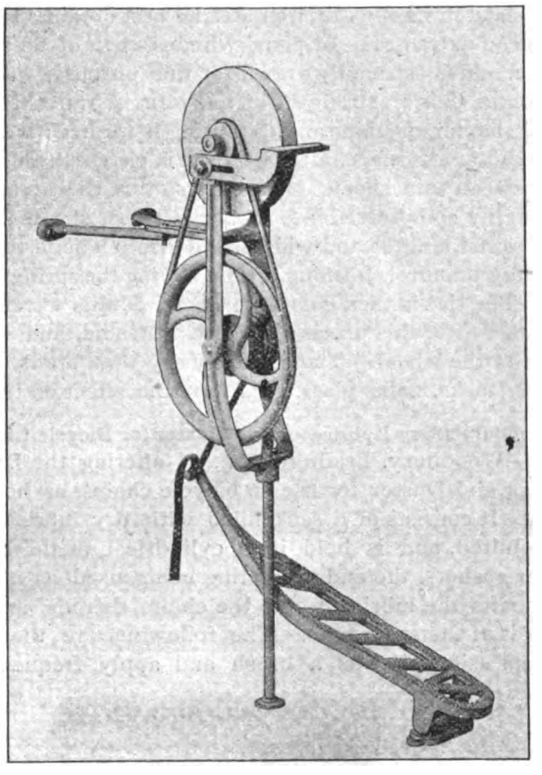
The March calendar card of the Joseph Dixon Crucible Co. very graphically shows the month bounding in as a roaring lion, and being led out like Mary's lamb. This sentiment from Bryant adorns it:

> The stormy March has come at last,
> With winds, and clouds, and changing skies.

The Boston Belting Co., Boston and New York, are sending their friends a handsome little pocket memorandum book, bound in morocco, with gold lettering. Besides many blank pages for note taking, it contains lists of sizes and prices of rubber belting, hose and other goods made by them.

Buffalo Foot Power Grinder.

S. C. Rogers & Co., Buffalo, N. Y., are offering the Foot Power Grinder herewith illustrated. It is designed for



use in jobbing shops, blacksmith shops, butcher shops, hotels and restaurants. The makers state that 3,000 revolutions per minute may be obtained on this grinder. It may be fastened to the wall, post or bench. The wheel is of solid emery, six inches in diameter. The price of the machine is $5.

The Shipman Hardware Co., of Manawa, Wis, has been incorporated by D. W., H. E. and K. W. Shipman, J. Niven and W. N. Hart. Capital stock $5,000.

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Beebe Bicycle Tire.

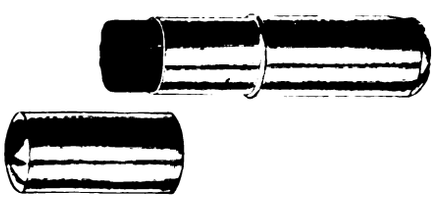
The Beebe Tire Mfg. Co., Sandusky, Ohio, are offering the Beebe Bicycle Tire, as herewith shown. It is a single tube hose pipe tire, complete in itself, being made so by a net work of springs vulcanized with rubber, which gives to



it the proper resisting force for ordinary riding. It is explained that air should be used as an auxiliary to aid the springs to make them the longer serviceable, and by which one can regulate the elasticity to suit his weight and wishes. It is remarked that the combination of rubber, wire and fabric used in its construction are the best obtainable. The wire is an extra grade of piano wire 028-1000 of an inch in calibre, and is especially drawn for this purpose, having a 250 pound tensile strength. The wire is run through a spring shaping machine and the spring is formed; it is then hardened in a furnace, after which it is passed through rollers between thin sheets of rubber so that the springs are thoroughly compressed into rubber. These sheets are cut into desired lengths and widths, and firmly wound together on a long mandrel, forming a tube having the springs interlaid. The tire is then complete in all details except vulcanizing; after this process the tire is tested, and is then ready for the wheel. The company say that brads, basket staples, tacks, nails, glass, etc., have no effect on the tire.

Woodbury's Dry Lubricator and Duster for Bicycle Chains.

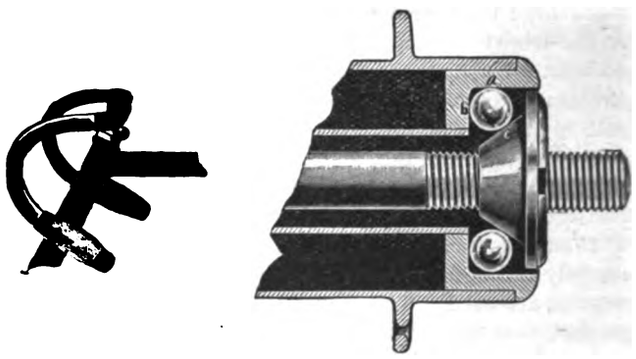
S. S. Woodbury, Bradford, Pa., is offering the Dry Lubricator and Duster for use on bicycle chains, as herewith given. It consists of a sack filled with dry lubricant and then quilted, and is held in a cylindrical metal box by rubber gaskets, the end projecting being used as a brush which sifts the lubricant onto the chain, dusting and polishing it at the same time. The following are the directions for using: Use as a brush and apply frequently to



wearing surface of chain, only when free from oil or other sticky matter. Oil may be used for inside joints of chain if wiped thoroughly dry before applying this, otherwise the felt will become clogged so lubricant will not sift. Dip the chain in kerosene oil occasionally to clean, then oil, etc., as above. The result will be a very clean, smooth, still and easy running chain. Must be used several times before getting full benefit.

Gendron Wheel Features.

The line of wheels carried by the Gendron Wheel Co., Toledo, Ohio, include the Gendron and Reliance Wheels, also a twenty-four-inch juvenile wheel. The accompanying cuts show their style "G" handle bar and bearings.



The manufacturers state that their frame construction and their manner of making joints, peculiarly their own, have commanded a special interest. It is explained that the connections are made without either forgings or sheet stampings, but with heavy weldless tubing, which, at a low heat, is shaped to wrap entirely around the part to which it is brazed, the upper and lower tube and seat post column tube, telescoping over the connecting tubes. The claim they make for rigidity is based on their manner of frame construction. The company further state that they take especial pains in proving their well-known claim for accurately true bearings, explaining their process of grinding cups, cones and face nuts accurately true from their thread. But their claim for perfection in bearings is not wholly due to accurately gronnd cones and cups. They assert that the correct pitch of their cones has much to do with the easy running of Gendron bicycles. A ball has three points of bearing—A, B and C—and it will be seen that at A it travels a larger circle than at B or C, therefore the outside of the ball travels faster than at the points B or C, hence the pitch of the cone must be on one certain degree to bring the point of contact C with the ball at the proper line in order to prevent the ball from having a screwing motion as it rolls around the bearing, thus reducing friction to the utmost minimum. The pitch of the cones in Gendron bicycles varies in accordance with the size of the balls and the diameter of the cups, but all, it is stated, mathematically correct.

Bicycle Locks.

The Slaymaker-Barry Co., Lancaster, Pa., for whom John H. Graham & Co., No. 113 Chambers Street, New

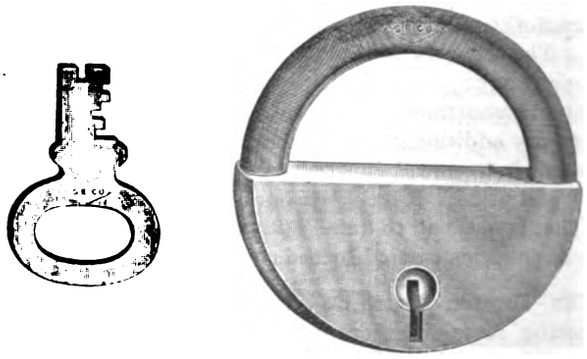


FIG. 1.—NO. 730.

York, are sole sales agents, are offering the two Bicycle Locks shown here. Fig. 1 is their No. 730 sprocket lock.

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It has a self-locking spring and nickel-plated steel spring shackle. It is provided with two flat milled steel keys, nickel-plated, and the interior works are of bronze metal. The case is bronze metal finished. Fig. 2 is catalogued as No. 721. All parts are of rolled bronze metal pressed, with three cut, racked, bronze metal tumblers, and hard tempered brass rod shackle link. It has a self-locking

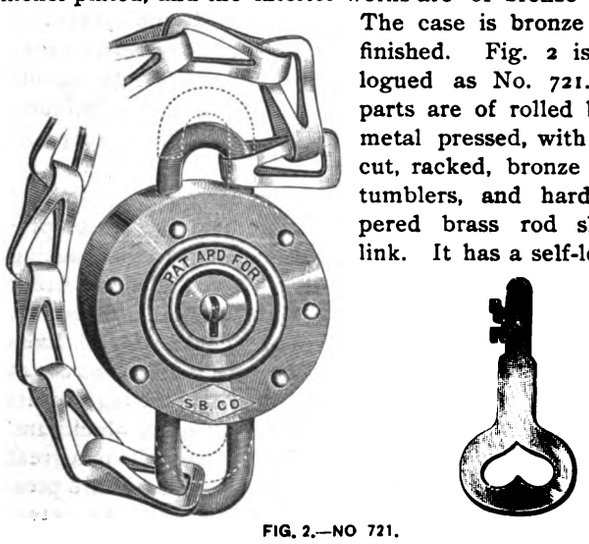
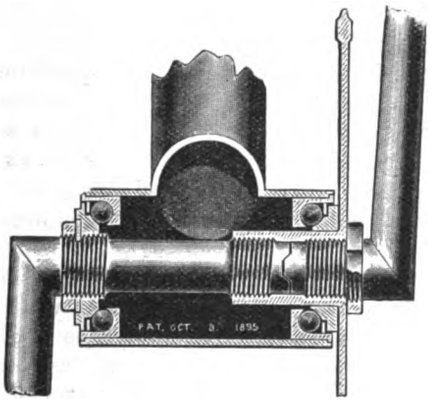


FIG. 2.—NO 721.

spring and is spring-opening, with phosphor bronze springs. It has two nickel-plated rolled steel keys, cut and milled. and a 13-inch nickel-plated cut steel chain. Finished in rolled bronze metal.

The Cullman Crank Shaft.

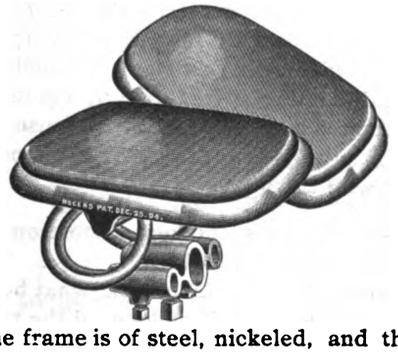
The Cullman Wheel Co., No. 554 Larrabee Street, Chicago, in constructing their 1896 line of wheels, are using the Crank Shaft herewith shown. The axle is joined by



dovetailing together in the center of the sleeve by two leads of thread on the axle, both pitched in the same direction, one lead working twice as fast as the other. It is explained that the strain on the shaft from the cranks tends to keep all parts tight. A lock nut placed on the outside of the sprocket prevents it from becoming unscrewed by back pedalling.

Rogers' Perfect Health Bicycle Seat.

The Rogers Saddle Co., Nos. 14 and 15 Tremont Row, Boston, Mass., are introducing the Bicycle Saddle shown here. The seat is divided in halves, each part acting separately, and automatically following the movements of the



thighs. The frame is of steel, nickeled, and the seat is a felt cushion covered with soft and pliable calf skin. Further ease is secured by two sets of springs—the coils in which the hangers are secured and the tempered steel bar on which the seat rests. The makers remark that the saddle involves a new and important departure from the pommel or horn style of saddle, which has been condemned by physicians, and that it affords a comfortable seat, enabling the rider to sit as nature intended, resting firmly upon the bones of the pelvis instead of the perinæum. The saddle, it is stated, fits any style of wheel.

The Syracuse Racing Team.

The Syracuse Cycle Co., Syracuse, N. Y., send us some interesting information for cyclists. They say: "The most wonderful cycling performance of the year stands to the credit of the Sycamore riders at Coronado, Cal. Four world's records in one afternoon (March 2nd) is a performance that no other wheel has ever had the privilege of recording. More especially as three are reduced by one man, and include the world's mile, paced with flying start, which is, unquestionably, the most coveted of the whole table. It is a remarkable fact that the two-thirds of a mile was clipped almost eleven seconds, and ridden in time that but few riders can cover a half in. Our racing team has now disbanded, having reduced 18 world's and 21 Pacific Coast records, a series of performances that, in this age of low marks, reflects great credit upon our riders, David G. Shafer, manager of the Syracuse racing team, Morgan & Wright's 'good tires,' which have been used exclusively, with the exception of one trial; and last but not least, the speed qualities of the Crimson Syracuse bicycle. We append herewith records broken on March 2nd":

1-mile paced,	1:39 1-5;	former record,	1:40 3-5.
⅔-mile "	:58 3-5;	" "	1:09 2-5.
½-mile unpaced,	:33 2-5;	" "	:36 1-5.
½-mile "	:53 4-5;	" "	:55 3-5.

Firm Changes.

The copartnership heretofore existing between John F. Annable and Edwin L. Haley, under the style Edwin L. Haley & Co., as dealers in iron, steel and heavy Hardware at No. 185 Fort Hill Square, Boston, Mass., has been recently dissolved by mutual consent. Edwin L. Haley is alone authorized to receive payments of outstanding accounts, and will settle all outstanding indebtedness of said firm. Mr. Haley has formed a copartnership with Mr. Brennan for the purpose of carrying on a manufacturing, jobbing and commission business in mill, contractors', railroad and blacksmiths' supplies. The business will be conducted at the old stand, No. 185 Fort Hill Square. Mr. Brennan will make bolt and construction work a specialty, his previous connection with the American Bolt Co., as president and general manager, having given him experience in this line. Haley, Brennan & Co. are the New England representatives for the following concerns: Phœnix Horse Shoe Co., Poughkeepsie: Columbia Spring Co., Pittsburg; Liggett Spring & Axle Co., Pittsburg: James McKay & Co., Pittsburg; Columbus Bolt Works, Columbus; Lebanon Rolling Mills, Lebanon, Pa.; Vaughn & Bushnell Mfg. Co., Chicago; Cincinnati Screw & Tap Co., Cincinnati; New Process Nail Co., Torrington, Conn.; Omniform Mfg. Co., New Brunswick, N. J.; Fisher & Norris, Trenton, N. J., and the Standard Toe Calk Co., Boston.

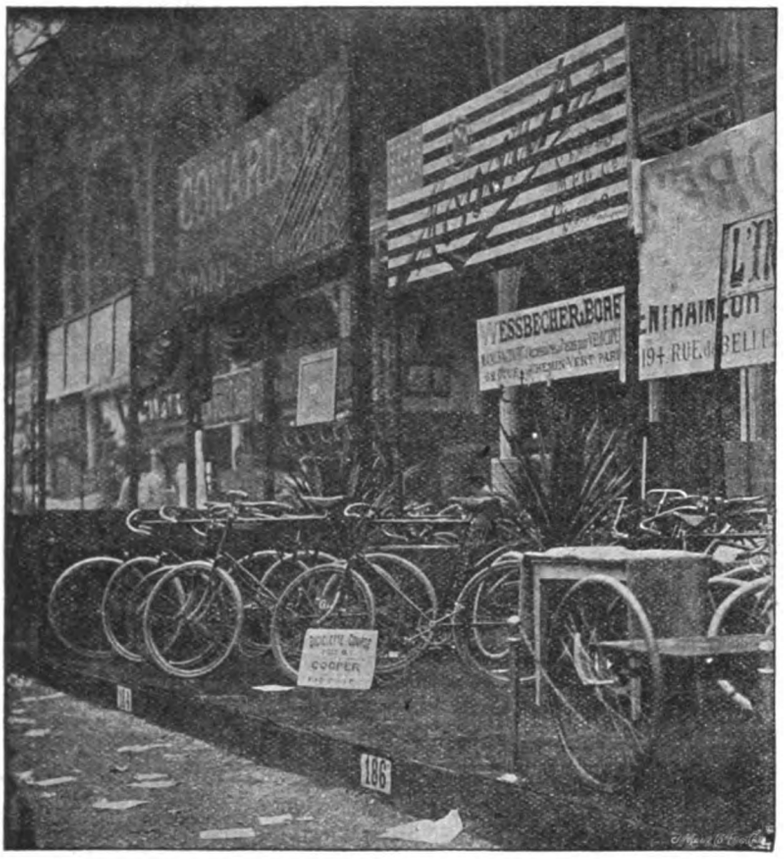
Our Files in England.

A retail Hardware dealer in England says that 90 per cent of the files he sells come not from Sheffield, but from America, and he explains the anomaly in the *Ironmonger*. The American manufacturers, it seems, keep large stocks in London and fill orders with great promptness. The American price lists give exact information regarding sizes and grades and promise delivery in three days from London. A Sheffield price list requires prolonged study to comprehend it, and when an order is sent to Sheffield it may not be filled for four weeks or even eight weeks. This tardiness in filling orders, the writer says, has been a matter of weekly experience for the past twenty years.

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Monarch Exhibit at Paris Cycle Show.

Of the Monarch Cycle Mfg. Co., Chicago, exhibit at the Paris Cycle Show, the *Veloce-Sport et Bicyclette Reunis* says: "The American Monarch bicycle is a very remarkable one. There is something attractive about the stand where this machine is exhibited. It is the machine which the celebrated American, Cooper, rode last season, and won 65 prizes in four months—39 first, 18 seconds and 8 thirds. It weighs 18 pounds. It is our old, well-known sportsman, Girardin, who is representing the Monarch in France, and



who shows us four models—two gents' and two ladies'—weighing about 22 pounds each." Their exhibit at that great exhibit is here reproduced.

The Future of Aluminum.

Aluminum in its commercial form is now so much in evidence, and so many glowing accounts are published of its adaptability to an infinity of purposes that it would be well to pause for a moment and to consider to what extent limitations are placed upon the indiscriminate adoption of this metal. The following article is a translation of the original of Herr Karl Barth which appeared in the columns of the *Montan Zeitung*, and while it may possibly err on the other side it is still not without its lesson for those who ar. at present somewhat too hopeful as regards the future of aluminum as a universally adaptable metal:—

The question of the cheap production of aluminum has, writes Herr Barth, been solved a long time ago. There is much inducement in the task of making serviceable for various purposes a metal which can be had cheap in an absolutely pure condition, especially as it is remarkable for its lightness, beauty of color, and its capacity for being polished, hammered, and drawn out. Thus we see utensils made for eating and drinking purposes, vessels for laboratories, surgical and optical instruments, and art uses it for diverse objects. It has been made serviceable in electricity, as it is a much better conductor than iron, and, by alloying, it is hoped aluminum, bronze, and also copper alloy will replace with advantage steel in firearms. Owing to its light weight this metal has likewise made its way into all branches of industry. Even horseshoes are already made of this metal, and as this kind of shoeing takes the form of the hoof, it is more comfortable. It cannot be doubted that aluminum is preferred to every other material for a great many objects, but such vast use and employment of aluminum in the future as may hold out a prospect of an aluminum age is hardly to be expected. Many experiments have proved the small power of resistance of aluminum, so that its use seems to be excluded from whole groups of objects.

It must also be rejected for things that come in contact with boiling water. This fact, therefore, prohibits its use for alumnum cans for the packing of preserved provisions, as the cans would suffer during the sterilization by boiling, and, therefore, the aluminum would affect the provisions. Even if sterilization takes place before filling, or not at all, there is always the danger that the ingredients of the preparation may dissolve the aluminum. That this is really the case, and prevails in a great degree, especially where inorganic acids are present, has been proved in many cases. An extensive use of aluminum has been planned in the equipment of troops, and the use of aluminum for the metal parts of the uniform and equipment, would mean an inestimable lightening of the burdens the soldier has to carry. Soldiers' flasks made of aluminum are very remarkable for their lightness and their unbreakableness. The desirability of their introduction into the army, however, might be questioned by the fact that the liquids destined to fill them would dissolve the aluminum. A small quantity of acetic acid, citric acid, and tartaric acid has a considerable action upon it, and infusions of tea and coffee absorb a great quantity of the metal. Tannic acid is also a great solvent. Although provisions may not be affected in their taste by aluminum, yet a constant contact with the metal, even in small quantities, ought to be avoided.

Further, aluminum cannot be used for objects which are cleaned or come into contact with soda and soap, as these bodies are by no means indifferent to this metal. In ship-building, likewise, the use of aluminum will not obtain that high importance at first supposed. Men-of-war will not be able to use much aluminum, as it scarcely offers a sufficient galvanic resistance. Aluminum does not seem to be destined to play a great part in surgery. The most common antiseptic must not come in contact with aluminum instruments, as already carbolic acid, salicylic acid and boracic acid affect the aluminum. Far from wishing to disparage this metal it must yet be acknowledged from the above statements that the importance at first expected from aluminum in commerce has not been realized.

The Berlin Iron Bridge Co., East Berlin, Conn., have just completed for the Citizens' Gas Co., Bridgeport, Conn., two large buildings, one 63 feet wide by 171 feet long, comprising a purifier house, a meter house and valve house, and the second building 44 feet wide by 122 feet long, comprising a generator house, a scrubber house and engine room. The side walls are of brick, and the roof trusses of steel covered with corrugated iron.

To one of two brothers who kept a store on Main Street, an old employee came last night.

"If your brother doesn't take back what he said to me yesterday I'm going to quit," announced the man with dignity.

"What did he say?" asked the other brother.

"He said that the firm wouldn't require my services any longer."—*Buffalo Express.*

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

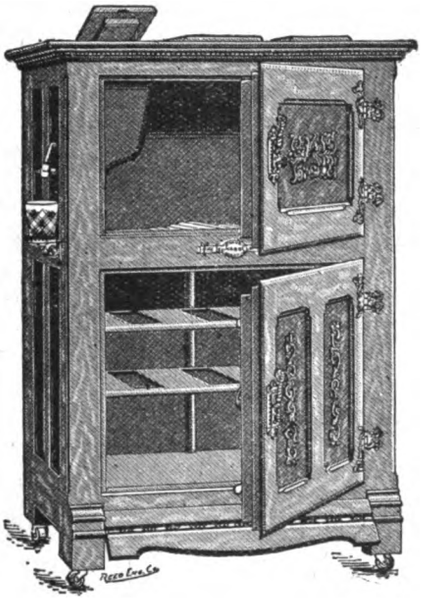
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Leonard Cleanable Refrigerators.

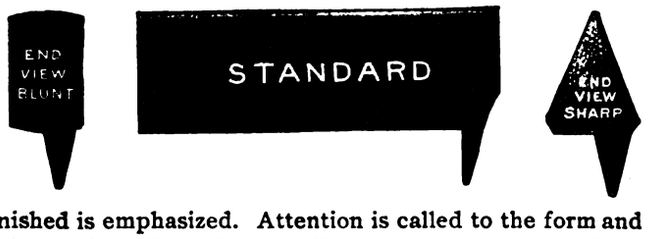
The Grand Rapids Refrigerator Co., Grand Rapids, Mich., are offering the new style Refrigerator shown here. The manufacturers remark that these refrigerators differ from



those now on the market in having a large opening to the ice chamber. They are designed especially for artificial ice, which usually comes in cakes 14 inches thick, which makes it almost impossible to get it into an ordinary refrigerator without chopping the ice and causing more or less waste. The opening to the ice door is 14½ inches high by 24 inches long, and the ice chamber is 15½ inches deep. It is explained that these refrigerators will also be found useful for those who desire to cool bottled goods on ice, as usually there is not room enough in the ice chamber for this purpose. The company guarantee that the refrigerators are packed with mineral wool and have eight walls for insulation.

Standard Toe Calks.

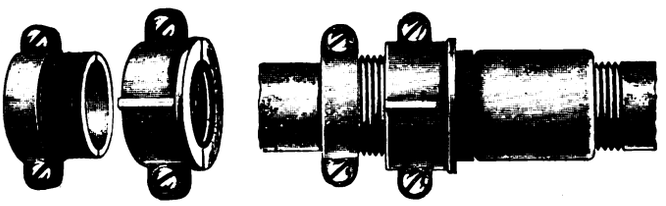
The accompanying illustrations represent a line of Toe Calks manufactured by the Franklin Steel Works, No. 447 Dorchester Avenue, Boston, for whom J. C. McCarty & Co., No. 87 Chambers Street, New York, are agents. They are made on the company's patented machinery from Gautier's cast steel, manufactured especially for this purpose, and the fact that they are hot forged and hammer



finished is emphasized. Attention is called to the form and finish of the calk, and especially to the fact that the nib is centered, so that it is not liable to break the shoe in driving. Each number of the calks is made in two lengths, mediums and long. They are made in sizes ranging from 1 to 7, as follows: No. 1, length 1½ inches, ½x5-16; No. 2, 1¾ inches, 9-16x⅜; No. 3, 2 inches, ⅝x⅜; No. 4, 2¼ inches, ⅝x7-16; No. 5, 2½ inches, ¾x½; No. 6, 2¾ inches, ⅞x½; No. 7, 3 inches, ⅞x½.

Vanderman's Leak Stopper.

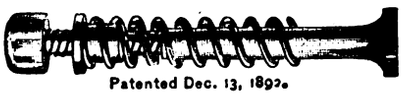
The Vanderman Plumbing & Heating Co., Willimantic, Conn., are offering the Leak Stopper shown here. The device consists of two parts, both of which are made to fasten securely around the pipe by means of set screws.



One of the parts is threaded on the outside and the other is tapered with a thread to match, so that after the thread part is fastened to the pipe close to the leak the second part is fastened to it. Then after a compress is made of asbestos or candle wicking saturated with white or red lead or oil and wound around the pipe, it is a simple matter to force the compress against the leaky joint by unscrewing the outer part, which forces it up against the compress and tight against the leaky part. The device is designed for stopping leaks in steam, water or gas pipes when the leak results from a bad thread in the fitting or on the pipe.

Motley's Adjustable Sash Holder.

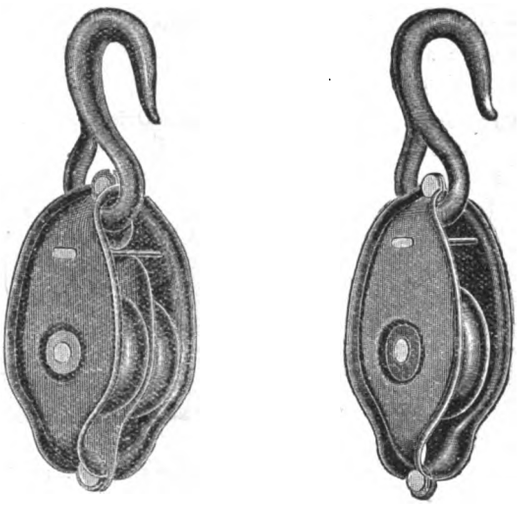
The accompanying cut represents an Adjustable Sash Holder offered by Peter Motley, No. 730 Broad Street, Philadelphia. It is designed for holding window sash,



screens, etc., in any position desired, and can be applied to old or new screens. It is made in different sizes, adjustable to any pressure, works automatically and affords greatest security.

The Eddy Tackle Blocks.

H. D. Edwards & Co., Detroit, Mich., are offering the Eddy Tackle Blocks as represented here. They have forged steel shells with edges rounded out, fitted with steel pins and hooks of the best quality hook iron. The manufacturers state that the blocks are neat in appearance, much lighter than wood blocks, that each one has a becket



so that Hardware merchants do not have to bother about that point in arranging their stock, that each size of block has been subjected to a high test, proving in every instance that they were stronger than the hooks used in them, and

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that the blocks are designed to fill the demand for a low-priced, light weight, strong, durable block.

The Brighton Wire Fence Tightener and Holder.

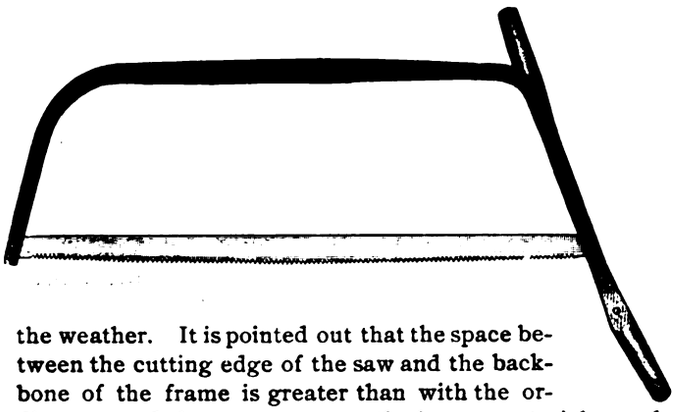
This Wire Fence Tightener and Holder is offered by the Logan & Strobridge Iron Co., New Brighton, Pa. The tightener and holder are made in gray iron, also tinned,



and may be put on the face of the post or on the side, drawing the wire around the corner. To tighten or slacken the tension on the wire an ordinary wrench is used, and the ratchet spool can be locked fast by driving a small nail through one of the nail holes in it. The tightener is designed for use on all kinds of fences, and may be used on woven wire or picket fences to prevent any appearance of bagging. The manufacturers state that the use of the tightener will cost the fence builder about 25 to 30 cents per fifty rods of fence.

The Stover Spring Saw Frame.

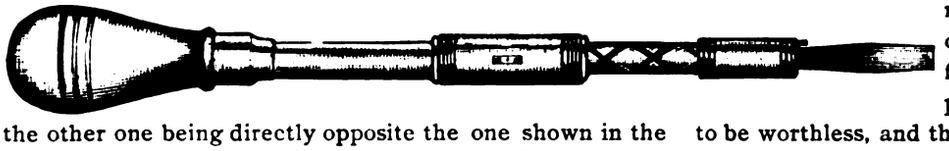
The cut shown here represents a Spring Saw Frame, put on the market by the Stover Novelty Works, Freeport, Ill. It is made of spring steel and the handles are of metal, so that the frame will not warp out of shape or be affected by



the weather. It is pointed out that the space between the cutting edge of the saw and the backbone of the frame is greater than with the ordinary wood frame, consequently larger material can be sawed; also that the frame being made of two strips, which are spread in order to brace it, makes it a very light and stiff frame and is not liable to break if laid down and a weight is thrown on it.

The Forest City Screw Driver and Drill Combination.

The Forest City Screw Driver & Drill Co., Nos. 468 and 470 Fore Street, Portland, Me., are offering the Screw Driver and Drill Combination as shown by the accompanying cut. The tool has a double spiral thread cut on the spindle and is provided with a loose sleeve between the lower end of the spindle and the screw driver bit. It also has two shippers in the cylinder immediately above the spindle,



the other one being directly opposite the one shown in the cut. The shippers work in connection with the spirals in such a manner as to permit of the following results being obtained at will, by pushing the shippers backward or forward: A driver to push a screw in; a driver to push a screw out; a driver that will make an automatic drill; a driver that will ratchet a screw in and out; a driver that is a ratchet wherever the operator may catch the spindle, and a driver that is stationary at long and short range. In operation the loose sleeve is held between the thumb and fingers of the left hand, while the handle is grasped in the right hand. When used with bits, the shank of the bit is held by a spring catch, to remove which the thumb is slipped easily down over the spring, pulling on the bit at the same time, thus disengaging it from the tool.

The "Handly" Fire Extinguisher.

The cuts herewith relate to the "Handly" Fire Extinguisher, offered by the Pittsburg Fire Extinguisher Co., Pittsburg, Pa. It is designed for use in stores, dwellings, factories, printing offices, buildings, hotels, warehouses, stables, etc. In the extinguisher a bottle of acid is sealed, with a thin mica covering. It is explained that when the extinguisher is picked up, the handle being pivoted below the centre of gravity, the cylinder turns upside down, and the bottle of acid held in the cage drops by gravity on the spiral barb, fastened to the cap, breaking the seal and thus allowing the acid in the bottle to come in contact with the



FIG. 1.

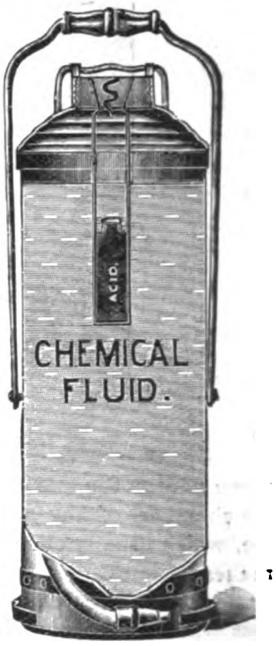


FIG. 2.

solution in the cylinder, and by these means generating the extinguishing gas. It is stated that the "Handly" is constructed with a view of standing for a long time in good condition. "It will not get out of order, nor the fluid deteriorate, although the machines may remain unused for many years; that the chemical fluid is a neutral liquid, that it generates a gas only when it comes in contact with the acid in the sealed bottle at the time that the extinguishing power is needed to subdue a fire; that they do not flood with water, which is so disastrous to seasoned woods and all kinds of manufactured stock, but extinguish fires by a projected stream of nitric oxide gas which has proved itself to be the greatest fire destroying gas ever discovered; that it is so simple in construction that anyone can handle it, enabling the one who first discovers the fire to operate the extinguisher, saving valuable time, as seconds count; that the extinguishers do not require any attention, as there are no cocks, valves or pumps to leak or corrode, causing them to become fixed or rigid, which in the past has proven so many other extinguishers to be worthless, and that the steam can be directed to any locality under the floor, in ceilings, partitions, or where stock or lumber is piled up, or in any out of the way places that could not be reached by other means, as the gases penetrate everywhere." Fig. 1 shows the extinguisher ready for use. Fig. 2 shows the details of the extinguisher.

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Wilcox Trolley Steel Ball Bearing House Door Hanger.

The Wilcox Mfg. Co., Aurora, Ill., are offering the House Door Hanger shown in the accompanying illustrations. The hanger is made entirely of steel, while the wheels are of vulcanized fiber, to render them noiseless,

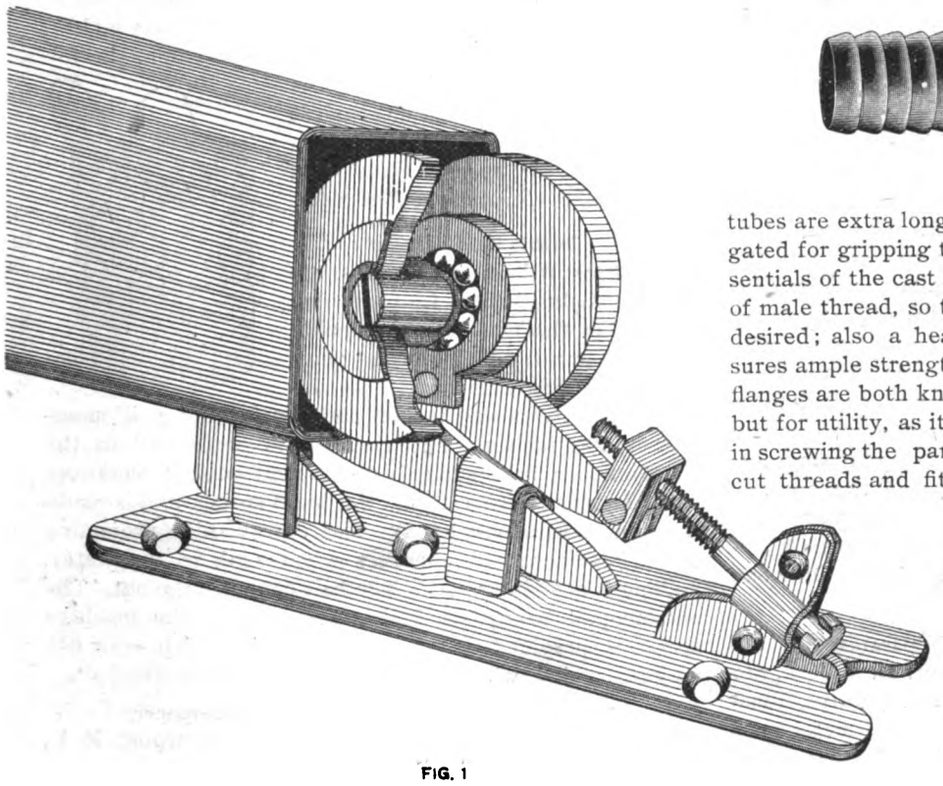


FIG. 1

and are fitted with bicycle bearings. The cones and ball races are of fine tool steel, and are case hardened to insure durability. It is remarked that the track by its peculiar construction is given more strength than is ever required to sustain a house door, and that it therefore needs no truss or brace to reinforce it; also that the flat surface presented to the face of the fiber wheel prevents any cutting or grinding of them. The track for each set of hangers is rigidly bolted to a wood header, and each set is finished complete at the factory, having no loose pieces or parts to perplex the carpenter. The fact is emphasized that the hanger has an adjustment both in the hanger and track to prevent any possibility of binding; also that both the hanger and track

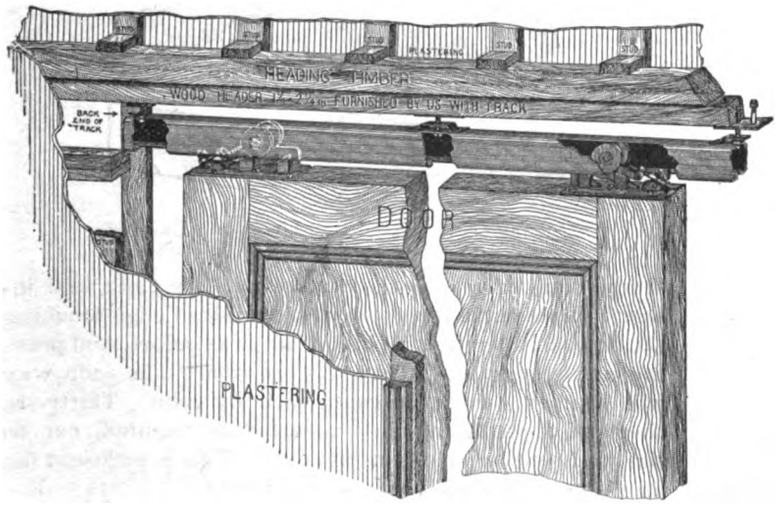


FIG. 2.

can be taken down without defacing the door or the finish. The makers state that the maximum adjustment in the hanger is ¼ inch, hence it is necessary only in extreme cases to use the adjustment in the track, and that their aim has been to produce a hanger and track devoid of complications and mechanically correct, so that it may be put up without the services of a skilled mechanic.

Sherman Hose Appliances.

The accompanying illustrations relate to Hose Appliances brought out by the H. B. Sherman Mfg. Co., Battle Creek, Mich. The hose coupling, Fig. 1, is stamped by special machinery from heavy finished sheet brass. The

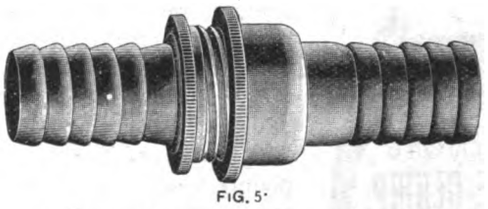


FIG. 5.

tubes are extra long, full water way, and are heavily corrugated for gripping the hose. The coupling has all the essentials of the cast article. There is a flange on the foot of male thread, so that an outside washer can be used if desired; also a heavy flange on the movable nut that insures ample strength to this part of the coupling. The flanges are both knurled. This is not only for appearance, but for utility, as it affords an excellent grip for the hand, in screwing the parts together. The threads are full die cut threads and fit all standard fixtures on the market. The seats in both halves of the coupling are very smooth, owing to the metal used, which permits of the parts being



FIG. 2.

tightened sufficiently on the washer without any undue effort to overcome any flaws in the seats, as is frequently the case with cast brass couplings. They are also free from flaws, so that there is no loss to the dealer on account of poor couplings. In speaking of the seats in the two parts of the coupling, an important feature of this coupling is that both seats are of the same size and are amply large, so that there is a good washer surface. Very heavy brass is used for the nuts and sufficient metal has been used in all parts to insure ample strength, which is further benefited by the peculiar formation of the parts. The coupling is at present made in the ¾-inch size only. It can be secured in the hose either by the Sherman clamps or by any of the other bands or fasteners on the market. The Sherman mender tube, Fig. 2, is also made of brass, and in a manner very similar to the construction of the tubes in the Sherman coupling. They are seamless, being stamped from heavy sheet brass. They are also full water way fitting, which is an important advantage, as the capacity of the hose is not reduced by a thick clumsy tube. The corrugations run from the ends toward the centre of

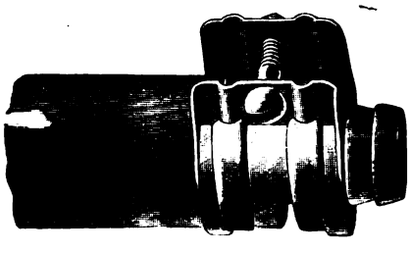


FIG. 3.

tube, where the two ends of the hose meet when they are used in repairing it. This tube can be used in repairing old cotton hose as well as rubber hose. A new principle has been employed—namely, instead of swelling out the hose to meet a clamp or wire, the tube is a snug shoving fit in the hose, and is clamped equally as firmly as where it is almos impossible to shove in the hose on account of the consider

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able taper which is the usual shape of the cast iron tubes used for this purpose. "There being no projecting centre piece, a single double wire band or clamp can be used to repair a break. This projecting centre ring is not necessary in the Sherman tube, as the corrugations being oppositely arranged, and of exactly the same depth, the friction in pushing it in the hose is equal, so that they will come to a centre in the middle of the tube without trouble. The centre of the tube is also plainly visible, as shown by the cut. Cotton hose, the cotton cover of which shrinks with use, is almost impossible to mend with the regular run of ubes designed for this purpose, but with the Sherman tube this can be readily accomplished. The tubes will also be suitable to use over again, as they do not rust in the hose. The Sherman double hose clamp, Fig. 3, is designed to be used in connection with the Sherman mender tube in repairing hose. It affords two complete gripping surfaces, extending in an unbroken line clear around the hose, so that there is no possibility of leaking. They are also stamped from finished sheet brass and can be readily applied by any person with a common screwdriver. Only one bolt is used." Fig. 4 shows the clamp.



FIG. 4.

The Perfection Family Medical Apparatus.

J. Jones & Son, No. 67 Cortlandt Street, New York, are offering the Perfection Family Medical Apparatus, illustrated here. All parts are strongly made, the metal ones being nickel-plated. It is provided with a finished wood case, having a strong handle and lock catch. The makers remark that "advanced scientific practitioners recognize the fact that to obtain the best results it is necessary to construct the coil upon certain scientific principles, with reference to the medical properties of electricity, and it is also of great importance that the vibrating spring should have perfect means of controlling the length and regularity of vibration, producing a smooth and pleasant current, instead of an irregular, sharp, unpleasant sensation." It is



explained that the set of electrodes furnished with this apparatus is very complete, and enough to successfully apply electrical treatment in any and all cases. A strong and lasting dry battery is used instead of the old style wet or acid one, this feature enabling the handling of it regardless of position or attention, for until exhausted, the dry battery is always ready for use. It is pointed out that by improved methods in manufacturing, the company are able to guarantee a life from six to twelve months, according to the frequency used. When exhausted, it can be replaced by anyone at an expense of fifty cents, which constitutes the entire cost of re-charging, the dry battery being a standard size, and obtainable of any supply house, or where this apparatus is sold. It is adapted for traveling, there being, it is stated, no liquids to spill, and no attention necessary to have it in perfect working order. The cases are 7x9x5 inches; weight 5 pounds complete. Each battery contains the following: Two silk conducting cords with tips, two tube hand electrodes; two insulating handles for use with either hand, or sponge electrodes; sponge electrode, and one foot plate.

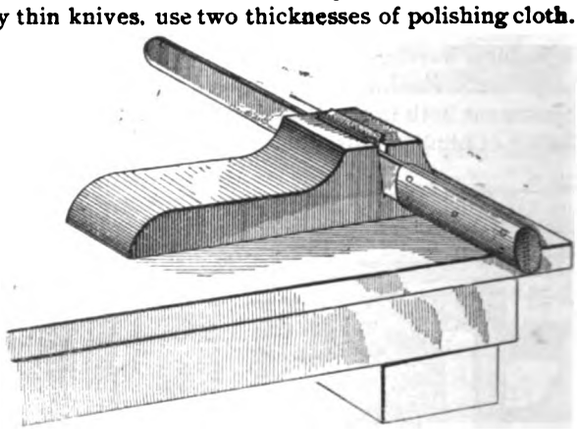


Double Bait Pail.

F. Cortez Wilson & Co., Nos. 239 and 241 Lake Street, Chicago, are offering to the trade a new Double Bait Pail, cut of which appears herewith. It holds nine quarts, its exterior measure is 9x9 inches, and the interior pail measures 7½x8¾ inches. The inner pail is perforated in the usual manner, having a galvanized iron bottom, sunk top, cover fastened with a strong, flat brass spring, and is readily opened with one hand. The downwardly projecting flange becomes an air chamber when sunk in the water, making it a floating pail. The bait cannot jump out. The outside pail being two inches deeper than the inside, a space is provided between the two in which craw fish may be carried, where they cannot injure other live bait.

Johnston's Rapid Knife Cleaner and Sharpener.

J. D. Johnston, Nos. 69 to 79 Mill Street, Newport, R. I., is introducing the Rapid Knife Cleaner and Sharpener as here illustrated. The elastic blocks shown in the cut, together with polishing cloths, constitute the cleaner and polisher. The following are the instructions for cleaning knives: "Fold a piece of fine polishing cloth, and insert it between the elastic blocks—the folded edge touching the bottom; then insert point of knife between polishing cloth, and a few sharp rubs each way, pushing the shoulders up to the elastic blocks, cleans and polishes the blade. For very thin knives, use two thicknesses of polishing cloth. To



sharpen dull knives use the coarser polishing cloth, and insert it between the elastic blocks, the folded edge touching the bottom; then insert point of knife as before, and press the cutting edge hard down. A few smart rubs each way will sharpen. Price 20 cents each by mail. Thirty-six sheets of the polishing cloth assorted as required, cut to size, and sent by mail for 25 cents. This is sufficient for an ordinary household for twelve months.

The measure that makes it a misdemeanor to place or cause to be placed upon any cycle path, street, sidewalk, road, etc., any substance which might injure or puncture any tire used on a bicycle has been reported favorably by the committee on codes of the New York Assembly. Wheelmen throughout the State are in favor of this bill, and its passage is as good as assured.

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THE NEW ENGLAND HARDWARE DINNER.

A banquet without any programme, speakers without any subjects, and every man allowed to indulge in intellectual go-as-you-please, so far as his after-dinner speech was concerned, were the distinguishing features of the annual banquet of the New England Iron & Hardware Association, given at Young's Hotel, Boston, on the evening of Thursday, March 19, 1896.

As President A. M. Wiley very tersely said: "There is no *sentiment* in the Hardware business," and therefore all "sentiments" were omitted from the programme. This was a new departure, quite Bostonese in its inception, and therefore, of course, a great success in its way. Each speaker probably had a very well-defined idea of what he intended to say before reaching the banquet hall, but those who scanned the very handsome evening's programme, were left in the dark as to the intellectual portion of the evening's feast. The result was a most admirable combination of patriotism, the money question, national, and New England politics, the Star Spangled Banner, Bermuda onions, and the delights of a land in which no newspapers flourished. The banquet was a great success, as are all annual gatherings of this character in Boston, and the attendance was thoroughly representative of the iron and Hardware industries of New England. We present elsewhere a diagram of the tables, which also shows those who were present. The specially invited guests of the evening were as follows:

Hon. Josiah Quincy, Hon. A. W. Tourgee, Col. John C. Wyman, W. W. Supplee, Rev. N. Boynton, David Williams, Samuel Disston, Chas. E. Adams, L. L. Ensworth, D. Fletcher Barber, Col. Carle A. Woodruff, A. L. Harwood, W. F. Bacon, James H. Kennedy.

A reception was held in the parlors of the hotel at five o'clock, and despite the heavy rain flooding the earth outside, the attendance was large and prompt, and a very delightful hour was spent in social converse, during which the officers of the association, A. M. Wiley, president; J. K. Whipple, vice-president; F. H. Butts, clerk; and C. H. Breck, treasurer, did all in their power to make the gentlemen acquainted with one another. At exactly 6:15, President Wiley led the processsion to the dining hall, where were found three tables elegantly decorated with flowers, and a menu that promised very much in contribution to the enjoyment of the evening. This was as follows:

"And do as adversaries do in law.
Strive mightily, but eat and drink as friends."

MENU.

Oysters on Deep Shell.
Cream of Dandelions. Consomme Macedonie.
Broiled Shad with Roe, Maitre d'Hotel.
Filet of Beef with Olives.
Boiled Leg of Mutton, Caper Sauce.
Roast Philadelphia Capon, Puree of Chestnuts.
Pear Fritters, Glace Charteruse.
Roast Black Duck. Larded Grouse.
Frozen Pudding, Charlotte Russe. Madeira Wine Jelly.
Lemon Meringues.
Ice Cream. Sherbet.
Fruit.
Cheese. Olives. Figs. Raisins.
Coffee.

During the dinner hour, and later in the evening, Barker's Mandolin Orchestra rendered some delightful music. At exactly 7:40 President Wiley arose and called the gathering to order, in the following well chosen and brief words:

PRESIDENT WILEY'S ADDRESS.

I am not going to encroach upon your time to-night but just a moment. I know you are impatient to listen to the words of cheer and hope from the gentlemen who have so kindly consented to come here, and assist us in celebrating this, the third anniversary, of our organization.

I want to say, however, just one word to those who come as invited guests, and assure you of the hearty welcome which is always characteristic of New England gatherings, and the cordial friendly greeting which you may rest assured will always be extended by the Hardware and metal trade of Boston and New England.

I want to congratulate the members of our association for the progress they have made during the past year, for the friendly relations which exist throughout the trade and the evidence written tonight in our faces which seems to say, "If you love me as I love you, no knife can cut our love in two."

It is a significant fact that many of these associations which were organized for the correction of certain abuses,



A. M. WILEY, PRESIDENT.

for the promotion of more friendly relation one with another, have outgrown themselves in this respect, and by their frank, open discussion, by their effort to mould public sentiment, have become important and recognized factors in our community, and I believe in no better way than this can the business man of New England exert a greater influence; in no better way than this can he more thoroughly impress our representatives and legislators that the business interests of the nation are paramount to political creed. That it is just as necessary to build a defense around our trade institutions, as around our seacoast, and that we are not unreasonable in our demand when we ask for every dollars' worth of labor we put into this Hardware business, for every dollars' worth of metal we dispose of, for every dollars' worth of iron and steel we place on our scales, we may receive therefor one dollar of pure standard gold.

At the conclusion of his remarks, Mr. Wiley in a few well chosen words, introduced Mr. William W. Supplee of Philadelphia, President of the National Hardware Association. In so doing Mr. Wiley made the fact very apparent that Mr. Supplee had had no previous notice of the intention of calling upon him before reaching the banquet hall, but the

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address which Mr. Supplee then delivered, certainly gave no evidence of a lack of preparation. We take pleasure in submitting the same in full as follows:

ADDRESS OF WILLIAM W. SUPPLEE.

Mr. President and Gentlemen of the New England Iron and Hardware Association: I desire to thank you for the honor conferred in the invitation to attend this Third Annual Banquet of your Association, and for the further courtesy extended upon a former occasion when it was not possible to join you.

A celebrated and distinguished orator once stated at a banquet in our city, that no man could do himself justice when he attempted impromptu after-dinner remarks upon an occasion of this kind. He further stated to one good after-dinner speaker there were at least a hundred wind instruments. I am therefore standing here in the position of the first, as well as the criticism of being the latter.

The Rev. Dr. Stryker stated at a recent banquet in New York, at which some here were present, he knew what it was to sit during an entire evening, anxiously waiting and wondering if there was going to be any time left for him.



WILLIAM W. SUPPLEE.

I admit I cannot appreciate that feeling; I do know, however, what it is to sit holding my thumbs, anxiously hoping my time would never come.

A successful railroad president who presides over, I believe an always dividend-paying road, unlike his distinguished rival the peerless inimitable and pyrotechnic after-dinner speaker, seldom attended a banquet. He was, however, upon a recent important occasion persuaded not only to attend a banquet but to make an after-dinner speech. He was much chagrined, however, to find after he arrived the heading of his speech was "The Business Interests of the Country." He stated he knew nothing about business, and had prepared his speech on the subject of the "Railroad Interests of the Country," therefore he requested that the heading of the toast be considered changed suitable for his speech. Now I have no undelivered speech at my disposal, which I can swap off for the occasion. I was only informed a couple of hours ago that I would be expected to make some remarks during the evening. I would have been more surprised had I not heard this, however, when, a couple of hours later a progressive journalist asked me if I would kindly give him a copy of my speech. I could only inform him that the scattered thoughts would be collected in the process of delivery.

I have in my employ an old colored man, who attends furnaces, etc., who occasionally preaches. I said to him one time, "Richard, when do you prepare your sermons?" Said he, "Oh! Mr. Supplee I never make any preparation:" (which is a mistake, however, for his ventriloquism is occasionally heard in the cellar), but, he said, "I never make any preparation, I go into the pulpit and take my text, and trust to providence and then if I make any mistake it is not my fault but the fault of providence."

It has been frequently stated of late that the present era is an era of organization, which is unquestionably correct, and it extends over the entire country, and is shown in the various branches of trade, commerce and finance. Classed with these organizations your Association is one of the laudable examples.

We have passed through an era of trade jealousy, but we are all proud of the fact that we now stand upon a higher pedestal and are now ascending the ladder of progressive business methods, and I have no doubt that many here, like myself, are able to name many upon their lists of delightful social acquaintances who a few years ago were looked upon only as antagonistic business rivals.

The jealousy was not confined to the jobbers alone, but occasionally manufacturers of competitive lines have become so heated in the caldron of animosity and jealousy, that it has required the utmost rigor to induce them to rise above that feeling, and enlist in the army of volunteers who have emblazoned upon their banner "a high standard of business methods." Our possibilities are great and I feel our progress will not be discouragingly slow. As a people and as a country we have made unparalleled strides since the old bell now lying silent in our city proclaimed liberty to all our land. From the then less than three millions of inhabitants, we have grown to the gigantic number of over seventy millions of people. Mails that then reached you on horseback, and in the later days of the old stage coach, have long since passed into oblivion. In those days General Washington, who came here to confer with your people, stated he found it an easy task to reach this city from our own in one week. Now after the duties of the day are concluded, we are able to enter luxurious sleeping apartments, and arrive here by daybreak the next day. Electricity, steam, the telegraph and telephone have shortened distance, and we find our daily morning paper upon our table containing the news of the Transvaal, the war in Abyssinia, the expedition up the Nile, the turmoil in Spain and Italy, and the war in Cuba of the preceding day, with the same degree of regularity as occurrences around the corners in our own city.

Our railway has paved the way for travel over nearly one hundred and eighty thousand miles of roadbed, and their operations give employment to nearly eight hundred thousand employees. Statistics report a carriage of over five hundred and fifty millions of passengers, and about six hundred and fifty billion tons of freight during one calendar year.

The productiveness of our soil enables us to raise everything that human nature requires if we except tea and coffee, although the exigencies of the case during the Civil War gave us a very fair substitute for these articles, and if a stone wall was built around our country, or our entire ports blockaded, our own manufacturers could more than supply us with everything the country needs. No nation in the world can show such a record.

Every rising of the sun finds our country a richer nation in both wealth and productiveness over the preceding day. Our employees are better paid, our people far better housed, better fed, better clothed, and the opportunities given for education far better than exist in any other country in the world.

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There is one serious problem which confronts us, and from which we have recently suffered, which, I feel, could be satisfactorily adjusted in a short time were it not from the fact that personal interest, sectional obstruction, and partisan supremacy on one side or the other, so frequently block the way. These impair the usefulness of our representatives and have the unwholesome effect of retarding legislation. Whether our greenbacks have been a financial loss in the past need not necessarily enter into discussion. This is a matter of arithmetic which can be easily solved. We do know that financial heads of institutions have discovered our weak spot; foreign nations have rubbed it into a sore, and we must now expect constant irritation until the sore is healed. But in the sudden withdrawal of greenbacks we must necessarily be provided with a sufficient currency to take its place. This cannot be done until it is made profitable for the banks to substitute such a currency. Under present conditions it is not profitable to purchase bonds at a market value of 1.15 to 1.17 and deposit them with the Government at 90 cents on the dollar. Nor is the 1 per cent. tax necessary when statistics show that ¼ of 1 per cent. is sufficient to cover all expenses. The last sale of Government bonds was sold at 110.688, and while there might be a question of the desirability of the Government taking them as security at the price they receive for them, there is no reason why the Government should proclaim to the world they discredit their own bonds to that extent when they refuse to take them as security at a higher rate than a discount of ten per cent. from the par value. If it was made sufficiently profitable for the banks instead of compelling an actual loss, they would have furnished currency in 1893 when currency sold at a premium in some of the large leading cities at ½ to 1 per cent., and more recently when the last two sales of bonds made currency almost unobtainable for commercial purposes in some of the large cities. I contend this holding of funds by our banks could all have been avoided if this defect in our system was corrected.

I speak of the currency question because it is a matt that affects you all. It is in no way a matter of politics, it is a patriotic matter, it is a dark cloud now hovering over us, which, if it becomes broken and disappears, I feel that immediate prosperity would be assured.

There is a grand field open in our country, and it is my sincere desire that associations like yours may be established and successfully conducted in every city in the country, and that the National Hardware Association may stretch out its arms into every State in the Union, and reach the acme of strength we all desire. Gentlemen, I again thank you for the kindness extended to me.

REV. MR. BOYNTON'S REMARKS.

The president then introduced the Rev. Nehemiah Boynton, who told several entertaining stories in a pleasing manner, and then said:

And now I desire to say an earnest word to you, if I can. Your progenitor shall be my text. There is a person of whom you gentlemen in the Hardware business are descendants. That is old Vulcan, that magnificent patron of your craft. He had two characteristics,—first of which was, that all the goods which he put upon the market were absolutely first class. Whatever he forged in his smithy was the most wonderful, the most marvelous, and the most perfect of its kind. Vulcan was a master mechanic. He had one other characteristic that made him what he was. He was not only a manufacturer, but he was an idealist. He not only made things that were beautiful, but he was the creator of the beautiful, first in his own thought, and afterward upon his forge. Thus he coupled two essential characteristics, that every aspiring soul should have or be: it should be an idealist, and it should be an inventor. And the earnest word that I have to say to you to-night is this: That no man can score in the game of life, of real life, who is not on the one hand an idealist, while on the other hand he is an inventor. Putting the same truth in another phrase: The great thing in this world is the accentuation of character, and not the simple accumulation of capital. It is a

	L. L. Ensworth.	C. E. Adams.	Rev. N. Boynton.	Hon. Josiah Quincy	A. M. Wiley.	Hon. A. W. Tourgee.	David Williams.	Col. John C. Wyman.	W. W. Supplee.	
D. F. Barber.				1						S. A. Bigelow.
John Wales.		Geo. R. Wales.	W. C. English.			J. H. Kennedy.				Hon. D. S. Plume.
A. N. Abbe.		Dalton Fallon.	Boston Herald.			J. A. Munroe.	Jas. N. Frye.			S. T. P. Martin.
		Chas. Swinscoe.	C. A. Burditt.			Wm. F. Bacon.	L. C. Carter.			M. B. Damon.
G. N. Jacobi.		C. F. Fairbanks, Jr.	Jos. Williams.			A. L. Harwood.	H. G. Walters.			G. S. Gould.
E. J. Reale.			H. C. Dodge.			Ros. M. Boutwell.	F. B. Dana.			Jas. D. Foot.
W. Chamberlain.		H. P. King.	A. C. Harvey.			A. C. Day.	T. W. Brown.			E. H. Mansfield.
F. Walker.	2	Chas. H. Elsbree.	W. W. Whitmarsh.		3	H. C. Bangs.	J. H. Willetts.		4	Jas. A. Nealey.
J. E. Greensmith.		H. C. Field.	Herbert Field.			G. W. Gabriel.	Theo. E. Smith.			Geo. J. Mulhall.
T. H. Baldwin.		J. N. Stanley.	R. S. Woodruff.			C. W. Bean.	E. L. Richards.			R. E. Hofer.
J. H. Robbins.		Fred. Wood.	F. H. Butts.			M. McBarron.	F. M. Smith.			J. D. Sargent.
A. H. Decatur.		C. E. Stumcke.	E. P. Sanderson.			H. C. Ordway.	C. F. Dowse.			Col. C. A. Woodruff.
M. L. Bailey.		O. A. Shepard.	C. C. Lewis.			Chas. H. Parker.	Henry R. Towne.			C. C. Adams.
Hobart Ames.		W. A. Hopkins.	A. J. Chase.			A. G. Perkins.	John T. Boyd.			Olney Arnold, 2d.
	O. A. Ames.				J. K. Whipple.				G. H. Wightman.	

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small man wherever you may find him, and however much may be his apparent success, who can see nothing larger in this world than the almighty dollar, for which he is always reaching and grasping,—small not only in the esteem of the world, but smaller in the esteem of his soul, in those quiet moments when now and then one's soul is compelled to size itself up. I do not mean that a man should be in every sense a business man, but I do mean, and I have all men of common sense with me when I affirm that the business should be made the incident after all, and not the consequence of it. There is something better in the world than trade. That a grand ideal is after all more worthy than a simply elaborate industry, in which perchance you have for the time being a monoply. I would go further, you cannot have a real success unless there is something larger than the mere idea of business, pure and simple.

REMARKS OF DAVID WILLIAMS.

At the conclusion of Rev. Mr. Boynton's address, the president introduced David Williams, of the *Iron Age*, New



F. H BUTTS, SECRETARY.

York, who responded in an able and entertaining manner as follows:

Mr. President and Gentlemen: It is very pleasant for me to meet here so many persons with whom I have had pleasant business relations for very many years, and some of whom I am proud to consider my personal friends. I know you will excuse my being a little late on this occasion, when I say that at 9 o'clock this morning I was landing from a steamer in New York, and the first train which I was able to catch brought me to Boston at about the time you were sitting down to this banquet.

The previous speaker has well said that no good work can be accomplished by any one who does not feel the fullest sense of the importance of his occupation and the greatest degree of personal enthusiasm in its prosecution. When about a month ago I sailed for Bermuda, I felt the pride that every thoughtful person connected with journalism must feel when he looks back at what the press has done for the world, and the evident greatness of its function in the future. We can trace all that we have of practical science, of industrial art, of political freedom and social advancement, to the comparatively short period of less than five hundred years, since the invention of printing. Before that the world presented a more or less dreary ignorance, superstition and tyranny. The efficiency of the press as an element of progress has been strikingly shown within the last few weeks, by the astonishing way in which Prof. Roentgen's discovery of the X ray photography has been imitated, improved and developed by scientific men, in every quarter of the globe.

But I have spent a month in a country in which the press is in so rudimentary a condition that a newspaper in Bermuda of March 5th reported the proceedings of the Bermuda Parliament in their session of January 4th, and I heard nothing about the X ray until on landing in New York, the Custom House official made a joke about it, saying that he would be compelled to open my trunk as he had left his X rays at home. I wish this mysterious photography were sufficiently developed to enable us to find out the sentiments of some of our public men on the silver question.

Still in that quiet country they live so happily and peacefully without the information, excitement, push and bustle of which we are so proud, that I almost doubted whether the press had not developed the American people to too high a state of civilization and enterprise. I was cogitating a movement among the press of this country to keep back the reports of current events as they do for a couple of months, and enable the American people to live quiet and contented lives until at last they die of a ripe old age as they do in Bermuda.

As my carriage made its way with difficulty through the throng of vehicles in Washington Street (one of the most crowded thoroughfares in the world), I envied the peace and quiet I had left, but as I see the faces of those about me, I appreciate the impossibility of carrying out the project I had in mind, for although it would probably be very acceptable to the conductors of newspapers, I feel that your New England Hardware & Iron Association would never put up with it.

The Bermudians are not, however, without some signs of progress as we understand it in New England. They have organized and have great hopes of successfully managing an association to regulate the shipment and control the prices of the onions and tomatoes raised on perhaps a thousand small farms there, and as they have secured the co-operation of about half of these producers, they believe they will be able to control the market. You, gentlemen, who have had so much experience in the formation of organizations to help the laws of trade, and who are still reaching out for other lines to conquer, can estimate perhaps better than they the influence of that proportion of "outsiders."

One of the speakers who has preceded me referred to the effect of organization in removing competition and lessening the asperities of trade, and would lead us to suppose that in this respect a new era was dawning upon the country. From my point of view I think he was too enthusiastic. The competition is just as keen, and if it takes some other form than that of cutting prices, it is just as bitter, and the penalties and risk of failure are quite as great as ever. The rules of the game may be more strict, but the eternal rivalry goes on as it has from the beginning of the world. I am reminded of the Irishman, who, quarreling with a Frenchman, was given the choice of weapons and selected the shillalah. When informed that that was not possible, that he must select some weapon known in France, he said: "Known in France is it? then, begorra, I take the guillotine." The new weapons do their work with neatness and despatch, but are none the less deadly. Let us, however, emulate something of the spirit, even if we cannot altogether endorse the calculation, of the old skipper in the days when passengers made the voyage from New York to Albany in sailing sloops, and were very apt to while away the tedium of the long days at the card table. On sitting down to the regulation game of seven-up, he said: "Gentlemen, let's all play fair this trip. We won't any of us make so much money, but we'll all make a little."

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ADDRESS OF JUDGE TOURGEE.

The main speaker of the evening, the Hon. Albion W. Tourgee of New York, the well known author, was next introduced in a felicitous manner, and delivered a very sound, able and eloquent address, the main portions of which we are permitted to herewith reproduce. Judge Tourgee said:

Mr. President and gentlemen: There is something very delightful always in such gatherings. Perhaps I might say there is always something delightful in New England anyhow to a man, like myself, coming without the pale to an assemblage of this sort. There is something infinitely refreshing in the idea of a Congregational minister rebuking kicking. There is something extraordinary in such an experience of our friend from New York, that he gives us, which reminds me, by the way, of a cartoon, one of those exquisite cartoons of that greatest of English cartoonists, representing a couple of well-fed aldermen, just passing out of a club door, and being greeted there by a poor woman, begging for a pittance, saying: "For God's sake, gentlemen, only a shilling, I have had nothing to eat for three days."

"Go away, woman; go away. Good God! What wouldn't I give for your appetite!"

There is something very delightful in a man fresh from Bermuda giving us a new comment upon that biblical text —"And many would come unto him, but could not for the *press.*"

And so I stand here to-night, quite as well prepared with an apology or excuse as any one, because your worthy president sent to me in all haste by post and telegram, to send to him a sentiment for this occasion. And when I landed here this morning, he was my first caller, and said my sentiment was a good one, but we have concluded, said he, there is no sentiment in the Hardware trade. I judge that to be true with ink, because our friend says that trade to-day is on the model of Joab, who came to his friend and taking him by the beard, punched him in the fifth rib at the same time.

Another friend called upon me to-day, and as he was going away he asked me, just incidentally, you know, what I was going to say, to talk about to-night.

It is said to be a characteristic of New Englanders to ask questions; and sometimes peculiar questions. You remember that Martin Van Buren at one time was reproached because of his born dislike for Massachusetts, and was told that he ought to come up to Boston and meet Massachusetts people, and have some knowledge of New England. "Gentlemen," he said, "I went to Boston once. I stopped with a most estimable gentlemen there, and he asked me for an office before I could get his codfish in my mouth."

What are you going to speak about? A typical New Englander? I said I thought I would speak upon a new subject. Yes; that is what I told him—I thought I would speak upon the Modesty of New England. He laughed and evidently didn't believe me. I am not so certain he didn't think that I was joking; and yet I was in dead earnest. I frequently think that a great many wits get their reputation largely for jesters because people believed that they were speaking in earnest.

You know a man who spends a considerable portion of his life in the study of humanity, its types and characters, is apt to have a particular notion with regard to this man, of this type of man or another. And somehow or other it has grown upon me that after all that is said and done, the most absolutely, thoroughly modest man on earth is the New England man, individually and collectively. Perhaps the fact that he is unconscious of it is the best proof of it.

Collectively, it is unquestionably true. In that first thing that ever attracted attention to the new world as an actuality, I mean outside of the mere pursuit of gold, as a place of habiration of a race of men, in that struggle that came in our country history, before we were a nation, between the idea of New England and the idea of Jamestown, between the thought of personal liberty and the absolute lack of right for the great portion of the population, in that struggle that ripened through infinite vicissitudes, into that struggle that made us a nation, it is unquestionable that New England had the first place. She was the first one to find fault.

It is a great thing to find fault. Our friend who has anathematized kicking has evidently forgotten the fact that fault-finding is the first element of progress. The nation, the people, the individuals that are willing to sit down and take what comes, and thank God, run the chances of the devil. There is not much hope of them. Progress does not come through any such sentiment. Progress comes through humanity from an infinite and universal discontent with what is; an aspiration for something that is better. And New England then, as now, was largely affected with this inclination. She was not only conscious that wrong was done to herself, but she was very conscious



C. H. BRECK, TREASURE.

that other people should be conscious of the wrong done to them. It is something in the air of New England, even to-day, that makes him differ very largely from hiscon gener of the South or West. He is a modest man, and he is anxious especially that his neighbors shall be right. He is willing to expend a great deal of his time to set them right. You visit a Western town, a Southern city, and ride out with your friend, and you would think that millionaires only lived in that town. He booms it from A to Izard, from beginning to end. But you come to a New England town, and you ride out with a friend, a minister, deacon or banker. And he is so fearful that you will obtain an exaggerated idea of the perfectability of that particular portion of the footstool he occupies, that in pointing out the individual residents of the town, he is very careful to call your attention to their defects of character.

It is a fact, I say, that manifested itself very early in our colonial history, that wonderful history that we hardly look back upon with very much regard, especially in New England, perhaps we hardly think worth talking about. Our literature? You know the fiction of a people is fully a true guide to their character. It may seem a strange statement, but the only man who tells the truth about his people is the man who writes fiction. And he tells it because whatever

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may be the character of his imagination, it is shaped by his environment; all his aspiration is shaped by his view of his neighbors and fellows. And New England fiction, take it for the last twenty years, what has it been? If it is characterized by any one quality whatever above all others, it is in that strange depreciation with which it regards the character of the New England man. A New England man is worthy of nothing. Take our Southern fiction, and it puts the Southern man in his very best aspect. If it touches upon his vices, it glosses them over and contrasts them with his virtues. If it touches any element of Southern life, it puts a glory, a beautiful idealism into it. But New England is the home of realism, American realism, realism that to use the image of one of your own poets long ago, sets the character of New England so low on the inverted apex of its own littleness that it required an infinite effort of human genius to bring it high enough to stand beneath a decent man's contempt.

Modesty, modesty, that means what it is. It showed itself at the very first, although the great struggle had its root in New England character, and New England protest and New England determination that somebody else should do the right thing, and that was so for the command of the army was given to a Virginian. And very well, very justly, because a people that could go to war with "Yankee Doodle" as their national anthem, were especially weakened by the modesty that would make fun of their own self depreciation. It is singular that in all the world's history there has never been a group of people, nationality or idea that could get into a great conflict with self-depreciation on its banner. And the reason that Virginia led in the struggle was because New England was so modest that she could not stand by her men, to her ideas and thoughts.

Of the first ten presidents of the United States, New England, although the largest aggregation of power in our nation, had two and Virginia eight. Oh, well, such attributes do not die. That wonderful spirit of individualism, which has made New England what she is—understand me, gentlemen, I do not stand here to depreciate New England. I had the misfortune to be born in Ohio, but I come of sturdy New England ancestry. I wandered back to this commonwealth in which we now stand with the vague idea that the New Englander carried away with him in the West that Massachusetts was a little nearer than any other place to God's footstool. I graduated at the greatest of New England's institutions—pardon me gentlemen, I do not wish you to misunderstand me. I do not mean Harvard, Yale or Dartmouth; but a little country factory that stood on the hill-side creek, from which came manhood, the right kind of manhood, a manhood that poured itself all over our western land. I count it the greatest of New England's institutions. I fear that New England has gone away from the thought, and our history shows a strange propensity of New England to go away from home and grow bigger the further she gets away.

And the time came in another great crisis of the nation's destiny when the children of New England led New England herself willingly on, self-forgetful into the conflict, There came a time, an inevitable time when the England and Jamestown idea must join in conflict on this continent. The thought sprung here, the liberator was here, the champions of that liberty were from New England. The whole thought of personal liberty and individual equal right was of New England. And yet New England did not lead again. In the organization of the Republican party, which was the aggregation, the representative of the New England idea in our government, New England fell to the rear. The new great Republicans of the West took the lead, and Abraham Lincoln was the leader and type of what was to be the prophet of a new dispensation.

And since that time, since his time, New England's modesty has been shown in a remarkable degree. During that time she has been most constantly an element of the power and success of the Republican party. All the time she has furnished eleven senators, and all but two terms twelve; and a larger proportion of representetives advocating every substantial element of the Republican idea than any other aggregation of citizenship in the United States. During that time her population has averaged about the same as the state of Ohio. She has furnished twelve senators all the time, and we will say twenty-two representatives—it averaged something more than that. The state of Ohio has never once had two Republican votes in the senate—those only for three months, and usually it has been an even stand off in the house of representatives. Yet the state of Ohio has received from the Republican party two presidents, and four of those chosen to the presidential office of the party have been natives of that State. Only one candidate of that party has been in New England, and that candidate was not very well supported by New England.

It is her modesty. It is said, the words of that most exquisite philosopher of all the ages, the man whose wit was always wisdom, and whose wisdom was always sweet with the fragrance of humor,—it is said that his words might very aptly be applied in this case. You know when the Autocrat of the Breakfast Table was asked what a man should do in order to secure great longevity, he replied that the man who desired to live to a green old age ought to begin by selecting three or four generations of long-lived ancestors. And so while the whole idea, the whole controlling impulse, the dominating forces of the Republican party in this country hae come originally from New England, we find it a fact that the Republican who desires the highest preferment in his party shall always select a residence in Ohio, an Ohio degree.

During that time, you remember, that the State of Ohio has not only been the birthplace of every president but one of the Republican party, but also received the honor of having the only three men out of four—Gen. Washington was the other—who have attained to the supremacy of rank of general in our army, and has during that time received the utterly unprecedented honor of two Chief Justices of the United States; and, in addition to that, two justices of that court, and in addition to that, five members of the Cabinet, and in addition a very liberal slice of everything else that represents National authority.

Now what is the cause for this modesty of New England?

The modesty of New England! She is so delightful, we are told, you know, of course, it is somewhat libellous, but we are told that New England life, such is its character, that it makes a very unreliable friend, an insignificant enemy, that it does not generate the capacity for leadership, nor the capacity for actual, strong, co-ordinate action. I don't know about it; I only tell the truth as it appears to me upon the page of history. I go through the West and South, and I find pride basing itself upon its own particular development. I find the New England man at the West and Northwest the very key, the leader of all thought and action. I find the same men segregated in New England, standing back, ineffective, modest. What is the difference? Why, to-day, Ohio after having received from the Republican party from ten to twenty times the honor which New England has received, is to-day demanding a new head and consecrating her youngest son the father of protection! Think of it!

I am an Ohio man; I am proud of Ohio. I am proud of her history, and I must say I rather like the idea by which she stands by not only her principles, but her men; by which she puts herself into the fight and always has one candidate, usually two, not waiting for somebody else to give her a choice. I understand that the Democracy of

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New England to-day would consider itself very well gratified if Richard Olney were given the ungracious task of appearing before the people as the inheritor of the misfortunes of the last Democratic administration. The one man in all its connection that ought not to be cursed with such a mill-stone.

No; I think there is something worth considering. Leaving outside the whole question of its exemplification in politics, it comes back to the fact or factor of being a factor in our lives.

Now, I am one of those men who regard politics as one end of religion, and sometimes the best end too. I regard the field of citizenship as the greatest possible field of Christianity. I like to see the man who doesn't stand off and say that "politics is a filthy ditch into which I cannot go; my character and my purity will not permit me to go into it." But I do like to see a man who takes off his coat and goes into the ditch and goes to cleaning it out. My ideal of a Christian minister I found in the city of Denver, a few years ago. I happened to go to a prayer meeting. I do sometimes when I am away from home, which perhaps some of you gentlemen do not do.

The young minister opened the services with a hymn and prayer. Then he arose and said: "Brethren, I see there are here seventy-eight men. While we are here engaged in this service, a few blocks away the Lawrence Street caucus is being held, which will determine whether good men, honest men or black-legs and thieves are to run the city of Denver next year. Now, I think, brethren, we had better go to the caucus and leave the sisters to run the prayer meeting." I have never met an instance of practical Christianity in the form of a minister to compare with that man. He went to the caucus, and cast his grand individuality into it, and honest men ran the city of Denver that year.

I don't care so very much about the other world. It is a little beyond my jurisdiction. It is not of much consequence to this world whether you or I are to be saved in the next world or not. But it is of infinite consequence to this world whether you and I will do our duty in this or not.

Christianity as an earthly sentiment finds its grandest field or expression in political thought and political action. You and I, in trade, in business, in private life—we touch ten, twenty, a hundred, a thousand lives, possibly in a long and active life, may touch five thousand. That is the limit of our influence and perhaps our endeavor.

But as citizens of an American Republic, we are one component part of a force that means the good of not merely seventy millions of people to-day, but of all those millions descended therefrom, that shall stand betwixt us and eternity. Twice has the thought of New England been central, been important, been essential to the life of this nation. Yes, gentlemen of the Hardware trade, once Hardware itself has been a determinative of the life of the nation. If the Rebellion had come ten years before those four lines of steel rails had shot out into the West, we of to-day would be a divided people. The Hardware business, gentlemen, saved us. There is no question of that. And so business life, political life, individual activity, the determination and your line is at the feet of future progress. I am not one of those people that believe that we are going to the devil. I never could bring myself to believe that the world to-day is going backward. But we have been eliminating those things that were bad in it. We have changed the point of view.

New England was very anxious about those within her borders. She was so anxious that they should be right, that she was willing to end their mortal careers to prevent them from corrupting the rest of humanity. To-day New England at the East or West is not very anxious about what the rest of the world, especially within her domains, shall believe, but amazingly anxious what they shall eat and drink. She has simply changed the field of activity. To-day it is not a question of individual, but of individual opportunity.

There is a new crisis in our nation. It has come. We have had it alluded to to-night. It is a new one. We are at the threshold of a new character—the assertion of American nationality. Hitherto we have been trying to accomplish all we desired in an economic way, in a moral way, in a social way, in a political way, by setting each other right. We have said that this section was wrong; this idea was wrong; and the conflict has been for the possession of the soil, until we have stretched from ocean to ocean. A hundred years ago it was recorded that the world could not produce enough to support its population. But to-day we can produce in a year more than the world could consume in three or five. And because of that, the idea of supply and demand inflexible and all-sufficient has become insufficient. I don't suppose that you and I would eat two more ounces of flour if it were only five cents a barrel than if it were twenty dollars a barrel. The demand is of the individual, and consumption is regulated not by price but by the waistband, the capacity to accommodate. So in your own line of trade we all know that the labor of to-day can produce iron and more of every form of iron that is used than the world can consume. We can build more houses. We can do everything that the world is required to do more than is demanded. But what is the other great fact that stands here against this? What is true superlatively of us is not true of every nation of the world, and we find that certain nations need what we can produce and give what we cannot produce. So we have two great economic principles, that our American markets should be protected for American manufacturers. We were protected against the manufactured article, but not against the manufacturer, not against foreign labor. We are still wedded to our old idea that Uncle Sam has got to give everyone a farm and a home. I am not one of that kind. I don't think that the American Republic has any difficulty to cure; to heal poverty or weakness in any other nation. I think we are just as much required to protect the American laborer against the foreign as we are against the foreign article.

I think something more, that the great American idea which found expression through the magnificent brain of James G. Blaine, reciprocity, is the ground upon which our nation must fight in the future. I quite sympathize with his anger when he smashed that new hat on the steam heater in the Senate committee room and said that mere protection as a means to secure commercial ascendancy and economic value in the United States were just like a goose trying to fly with one wing. It has been shutting our markets to foreign nations. And if we are doing that with Europe, why we are doing it with Asia. But to-day we stand in a very new position. For the first time in fifty years, without regard to political party, our whole country is thrilled with Americanism. Our people are realizing with true instinct that we are upon the threshold of a new epoch. That no longer is our conflict with each other; that no longer is the struggle between section and section and man and man; but between nation and nation. We recognize the fact that to-day we must conquer for the American people our place as a commercial nation. We must reconquer our place upon the sea. We must make for the leadership, for the commerce of the new world, as well as for the political headship of the League of the American Republic. And to-day we are realizing it as a nation.

Anything that keeps us less in dependence on Great Britain, whether it is the cut of our trousers, the character of our economics or finances, ought to be remembered in our churches with prayer. She is our rival. She is our great and dangerous rival; for whatever follows her must always follow or rebel. There is no other safety. I believe that the time is near at hand when we shall have a merchant marine. I believe in American ships made in American yards, owned by American citizens, manned by American sailors. We should have a differential duty that shall put us on an equality with any other nation. We have forgotten the value of this great trade. The greatest avenue for profitable labor and capital that is now before the American people is on the sea. No, I am going to go a little further. It has been referred to once or twice tonight. Facts are stubborn things. So are men, especially are New England men. It is very hard to ignore that fact that one man believes that this is right and another wrong. To-day, while we shout over the fact of a dollar equal in value to a gold dollar, we are forgetful of the fact that in so doing we are cutting the only represen-

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tative that we have. We are cutting down to the limit of the six hundred millions of gold which is in our country and which has long ago ceased to be currency, and has been used for speculative opportunities. We are forgetful of the fact that the greenback for thirty-four years served us for the best currency of the nation, and now to take it out of existence and to supply its place by bonds and bank currency, you know what the result must be. The result of those thirty year bonds for three hundred millions of greenbacks is seven hundred and sixty-four millions principal and interest. It is a terrible load for any people to carry. And what are we to have in place of it? Why, a bank currency not a legal tender. You must remember this one fact, that there are only two ways of getting money out of a bank, so that the people have not only to pay this burden of interest on the bonds, but they have also to pay the interest to get a bank note currency circulation. There is always two sides of a question touching the interests of a people, and both sides are always, in a free country, supported by men who believe just as earnestly as in any other struggle which arises between other nations and ourselves. It depends on a united people finding a way to settle this great question of our national currency. It cannot well be done by force. In the Senate of the United States those who represent one idea hold the balance of power, but you might as well recognize the fact that those men are men of quality and will not back down. They are men whose ideas are based on a sincere conviction. The race is not always to the swift, nor the battle to the strong. And men commanding a position and holding that with a power of conviction, one of two things must result: either they must be trampled down or they must be met with some sort of compromise of conciliation. But we say there is no chance of compromise. My profession has something to do with compromise. I never saw a case on the earth in which was not claimed all the earth, and claimed up to the line, and there was no middle point. When the parties confronted the fact that they might either of them fall back to either fellow's line, they found a middle way.

There is a middle way on this question. To-day the appreciation of silver is so great that in a short time it is likely to approximate the value of gold without legislation. Supposing to-day they were to establish banks in which silver coin shall be the capital instead of United States bonds, what would be the result? The taking of three or four or ten hundreds of millions of silver out of the world's market, and I venture to say, to-day, gentlemen, that if you take three hundreds of silver out of the world's market it will be worth dollar for dollar with gold.

There is a middle way, but that way is not to be found out asserting the extremes of right, but by recognizing the force and honesty of conviction of both sides.

I beg your pardon, gentlemen, for having covered these various grounds. But I believe that the condition of our country of to-day is not less dangerous than it was at the beginning of that at which its life was in the greatest peril.

MAYOR QUINCY'S ADDRESS.

This very able address was listened to with the closest attention. At its close, the president introduced the final speaker of the evening, Hon. Josiah Quincy, mayor of Boston. He said:

Gentlemen of the New England Iron and Hardware Association, I had asked at this late hour of my coming in the evening, which was necessitated by my other engagements, and prevented my coming earlier, to be allowed to put off what little I might have to say to the members of this Association for another year. I am sure it would have been more satisfactory to you as well as to me, coming as I do into the exercises at this late stage, to undertake to say anything tonight, but Mr. President, as you have called upon me and not allowed me to postpone my remarks until the next dinner, I will address a few remarks to the Iron and Hardware Association, although they will be brief and few. It has occurred to me in connection with your organization that it stands as does organizations of a kindred character, and that they have a certain place in the business of our section and of our time, as also in the political life and thought of our day.

I felt the necessity, Mr. President, of attending more of these gatherings than have been customary for those who have held the office of mayor before me. And on one particular account. That is, I feel perhaps a deeper interest in promoting the activity of business organizations in connection not with party politics but with public questions, and political questions in the broadest sense of the word. I think that any one that has watched the growth of business organizations of a character such as this during the last ten years particularly, during which many of those in this part of the country have been formed and have gained strength and character, cannot but be impressed with the fact that there must be something back of these organizations, and the different trades and different lines of business which we know have been their end. Perhaps we can claim for New England that among whatever deficiencies of character to fully assert herself she has recognized the possibility of the value of business and trade organizations and the part which they can play in creating a wholesome public sentiment upon many classes and upon public questions, particularly to the welfare and the business of this country. We see to-day in Boston and Massachusetts and New England a strong body of business organizations each representing its own trade, and then joined together in the more general organizations of boards of trade, representing a city or a State. And these organizations uniting in the capacity to make themselves felt as a factor in the creatian of sound public sentiment, upon such questions as the currency question, in the promotion of commerce, in great undertakings, which, owing to their business training, and their ability to grasp facts theyare fitted to lead public opinion, And I feel that anything that can be done by the public authorities by encouraging this movement, this growing interest of business men in an organized capacity to consider political questions is well. And so I am in this assembly tonight. In spite of the fact to which the last speaker referred that New England has done so much outside the borders of her own section; that she has sent out so many of her sons in business enterprises and of politics in other sections in the country, she yet retains a life of her own within her borders for which she has no occasion to blush. And if she is not as self-assertive as some other sections of the country, if she is not so self-assertive as some Ohio men, nevertheless, probably in their more homely and quiet way and more modest style, New England men in the field of thought are contributing even to-day to the advancement of the nation.

The problems of to-day, as the last speaker has well said differ radically from the problems of the past. The problems of to-day are largely of a business character. We are passing through a certain political development of the country, and while I would by no means underestimate the importance of those which are of a political character and have no special or peculiar bearing on commerce, it seems to me that upon the whole the class of questions which affect the welfare of this country's people most vitally to-day are such questions as the currency question, such questions as relate to transportation, industrial, and the manufacturing interests of a great country like this. New England, not only outside of her own borders, but within her own borders has contributed her part to the solution to these questions which are primarily of a business character. New England men have pronounced their views on the question of our currency and I am glad to know that the business men of New England and of Massachusetts are arousing themselves to the importance of the currency, are studying it more, and best of all are taking an uncompromising attitude upon it and serving notice on both political parties that they can not receive the support of the business sentiment of New England unless they put themselves on the currency question on a sound platform.

Our ideas in this section of the country doubtless differ from those of other sections of the country. But it seems to me we may well copy the example of the silver senators, to whom the last speaker referred in regard to the courage and single mindedness in which they stand, in season and out of season, for the financial ideas they believe in and which their constituents believe in behind them. And I think that it is time that the public representatives of New England, and the leaders of New England, in every walk of life should stand as firmly, as uncompromisingly and as persistantly for those ideas of finance which we in this part of the country more generally believe to be sound and right as the representatives of the silver States stand up for their peculiar ideas. Let us have a clash, if need be, of these oppressing forces. Let us measure their strength, let them come together and let us show that we can fight it out with as much persistency in the interest of what we believe to be sound currency and finance in New England as some of our friends in other parts of the country.

We agree very heartily, Mr. President, that New England in certain respects has been too modest. I think Mr. Tourgee is entirely right in the statement that he made that New England playing as she has such a large part in

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the Republican party have been too modest in what they have asked for in the way of authority, and in the leadership in the Republican party. And she may take a leaf from the experience followed by the successful example of the Republican politicans of Ohio in the endeavor to obtain a little more weight, a little more importance for our section of the country in the council of the Republican party. I say Republican party because that is the party which in New England has generally been supported, and there is no great use perhaps in urging that the New England Democrats should assert their claim to larger shares. Nevertheless, Mr. President, I do not take the same discouraging view of the prospects in the next presidential election of the party to which I have the honor to belong. I feel for one that it is worth while to get a ticket in the field, and that ticket can have no better name at its head, no better New England man than Richard Olney. In fact if New England can overcome her innate modesty, she stands in the coming convention of both of the great political parties in a peculiarly fortunate position, and that New England men regardless of politics may well declare an earnest wish for the nomination of Mr. Thomas B. Reed for the Republican party, (tremendous applause), and for Mr. Richard Olney for the Democratic party; and then New England would seem to be safe which ever way the election may go. (Laughter and great applause). Seriously, gentlemen, as a New England man, it gives me great satisfaction to see a man although in the party which I have not the honor to belong, a man occupying the position of speaker of the House of Representatives, standing by right principles, by right of brains and force, and leadership, at the forefront of his party, and in a position which ought to make him its logical candidate for the presidency, and I hope it will.

But, Mr. President, I have wandered from the subject I began to speak on. I feel that there are great business questions which have been forced on the public attention in recent years that demand the best thought and the best action of the organized business men of New England. We are passing through a period of vast changes. Electricity and steam have opened up new possibilities of industry, and we have new ideas to deal with, to meet the new conditions. The tendency of recent times to the consolidation of corporations and trades, controlling large amounts of invested capital, and great power for good or for evil, raise, also, another class of questions. The greatest public and business organization can be of wide reaching public service in many cases, by bringing the pressure of the force of business to bear on managers of such corporations to keep them moving along a liberal line of policy.

If you will allow me to make a brief reference to one of the corporate organizations, and its relations to the public, I will speak of the Union Station, (Good, Good, and applause), which has so recently been presented to our people. It seems to present a further illustration of the power of these great masters of capital united in great corporations for good if they are managed with due regard to public interest and in a liberal and progressive way. I for one deem it a fortunate thing for Massachusetts and for New England, so far as we can judge up to the present time, that some of our railroad systems have been aggregated together in one corporation, although that be a corporation, although it bear a name outside of this Commonwealth; and we can see that the union of interest offers great opportunities to the public. We want to keep extending the pressure of public opinion, and business men like you can be of use in impressing that opinion upon the managers of these great corporations, for they owe a great duty to the public, to assert that they should be managed with the greatest wisdom, for they owe duties to the community, and if we can secure their management upon those lines, then, Mr. President, I feel from our economic standpoint these aggregated corporations which are such a striking feature of the present day, have in them great opportunities. The transportation in all its phases is one that peculiarly demands the interest and the attention of the business men, and I have profited very greatly by consultation with progressive business men already.

Mr. President, in conclusion allow me to present to you, tonight my best wishes for your future usefulness, not only of this organization, but its consideration of these great public questions which such business men, by their training, are better fitted to pass upon than most other men of the community.

At the conclusion of this speech, the president announced that the exercises of the evening were over. It was then just ten o'clock, which hour was an indication that the Bostonians know how to conclude a banquet, even of the most entertaining character, at a reasonable hour. A short time was spent in social converse, and farewells, and each visitor left feeling that the old-fashioned and trite sentiment, "It was good to have been there," was fully realized in his case.

Annual Meeting New York Hardware Club.

The annual meeting of the New York Hardware Club was held at 12:30 on Saturday, March 21, 1896. President McCartee called the meeting to order, and in a few brief and well-chosen words congratulated the Club on the great success in a social, gastronomic and financial respect, which it had scored during the past year. The report of the secretary was made by E. C. Van Glahn, secretary pro tem.. showing that while the membership in March, 1895, had been 562, of which 471 were resident and 91 non-resident members, the number recorded March, 1896, was 643, of whom 536 were resident members and 107 non-resident.

Treasurer Keating presented his report, which showed that the Club was in an admirable financial condition, and that, in fact, it was practically free from any indebtedness whatever, as the last of the bonds issued for furnishing the rooms have been retired or are already under call.

The annual election for five governors to take the place of those whose terms expire in 1896 was next in order. The president appointed as tellers Edward P. Stoughton and W. W. Glover. The nominating committee then presented their report, which was a recommendation that the five governors whose terms had expired should be elected as their own successors. The names of these gentlemen are as follows:

Peter McCartee.
George H. Sargent.
Arthur G. Sherman.
Robert H. Swayze.
Edward C. Van Glahn.

The polls were then declared open, and so remained for one hour, at the end of which time these gentlemen were declared to be the unanimous choice of the Club.

The following gentlemen have been unanimously elected to the Club since our last report:

Joseph P. Schiller, No. 15 Laight Street.
John M. Young, No. 37 Murray Street.
C. F. Smith, Indianapolis, Ind.
J. M. Whitman, Pulitzer Building.
H. H. Desmond, No. 14 Vesey Street.
John J. Jennings, Bristol, Conn.
Chas. W. Hubbard, Jr., No. 253 Broadway.
John T. Pierson, No. 178 Broadway.
Geo. B. Jenkinson, 2d, Newark, N. J.

The Erie Specialty Co., Erie, Pa., manufacturers of Hardware and advertising specialties, have sent out their 1896 catalogue. The company say: "We herewith present our catalogue for 1896. Several new articles have been added and old ones improved, including the Hardware specialties formerly manufactured by the American Wringer Co. Our goods are now recognized as the standard in this line. The demand for them is rapidly increasing in this and foreign countries, owing to their special qualifications for the work designed. We are pleased to announce that we are now located in our new plant, which we have designed and equipped with new and special machinery for the manufacture of our goods, and, with our enlarged capacity, hope to better serve our patrons." The articles illustrated include cork pullers and screws, lemon squeezers, shavers for mixing drinks, ice shavers, cigar cutters, advertising plates, cigar box openers, plug tobacco lifters, tobacco cutters, cigar cutters and lighters combined, etc. The goods are numbered for convenience in ordering.

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SECOND ANNUAL SPORTSMEN'S EXPOSITION.

The Second Annual Sportsmen's Exposition, under the auspices of the Sportsmen's Association, was opened with a snow shovel on Monday, March 16. Col. Waring's white-robed angels made a concentrated attack on the snow in the vicinity of the Garden before those who had left their snow shoes at home could make an entrance. Inside, the stuffed Tammany tiger, in one of the taxidermists' collections, grinned a satisfied grin as he wondered if Tammany wouldn't do a thing to them when the Governor signed the Raines bill. The Garden, as is usually the case, was decked out in flags and banners of all nations, and the galleries and pillars draped with red, white and blue bunting, aided by the electrical displays. A most attractive scene was the result. The attendance at all times was large and the show has been a financial success. In all probability the feature that attracted the most widespread interest were experiments with the latest scientific discovery, X-ray photography. During the week a number of photographs were taken. A lead pencil, screw-driver and a nail were laid on a strip of hard black rubber, 1-16 of an inch thick, which was laid on the plate holder above a sensitive film. This was put directly under a tube, about three inches from the bulb, and a current of 35,000 volts turned on, the rays created by the current passing through the rubber, after an exposure of about ten minutes imprinted the shape of the articles on the film. Clear pictures of the bones of the hand were obtained in a like manner.

The loan exhibition proved an attractive department, containing as it did Lieutenant Peary's collection or Northern curi. s, including a kayak or skin canoe used by the Eskimo, an Eskimo gun, two walrus heads, trophies of sport in Whale Sound, Greenland; narwhal skull and tooth from the same region; complete Eskimo fur costumes worn by Peary during his trip north; a set of Eskimo weapons used by Peary in harpooning walrus, and two musk ox skins. The loan exhibit also included many cups, medals and trophies won by the various colleges and athletic clubs, as well as the silver cups won by the Vigilant and Niagara. The cups of the N. A. A. O. were also shown.

A full-rigged duplicate of the little half-rater Ethelwin that so gallantly defended the cup against the Spruce the IV, was shown by A. G. Spalding, in connection with several handsome canoes, yacht tender, row boats, etc., the production of the St. Lawrence River Boat Co.

The powder mill which formed a part of the Hazard Powder Co.'s exhibit attracted great attention. The huge wheels that mix the ingredients were made of wood, though few could detect the deception. The wheels used at the company's mill weigh seven tons each.

The skin tepee of the Blackfoot indian chief Bear Chief, was at all times the centre for admiring crowds. The women busied themselves in sewing moccasins and the children tried their best to amuse themselves, getting genuine enjoyment out of pieces of stone.

The Dalmler horseless carriage was gazed at by many, who were doubtless preparing themselves for the sight of many of these novel vehicles, running swiftly along our streets. The same company also showed a beautiful thirty foot launch and a cedar skiff propelled by motors. The tandem bicycle boat was certainly an aquatic novelty.

Smith & Wesson made a genuine innovation by maintaining a shooting gallery, where any who so desired could try the accuracy of the celebrated arm free of charge. They also displayed, in a glass case, samples of their specially finished revolvers.

The Maine camp, the headquarters of "Fly Rod" (Miss Crosby), showed some magnificent specimens of mounted moose heads, some having a tremendous spread of horns. In connection with this exhibit were seen glass tanks containing brook trout and landlocked salmon, sent by the U. S. Fish Commission.

The Laflin & Rand Powder Co. showed a complete working model of their works at Wayne, N. J., in a glass case. A bird's-eye view was thus obtained of each building with the roof uncovered, which showed the machinery in motion.

A prominent New York furrier exhibited in a log cabin. Extra interest was added by having several live animals displayed, two foxes, a red and gray, being chained to the roof. A cosy log fire was burning inside and samples of furs were shown in different ways. The most striking feature of the display made by Schoverling, Daly & Gales was about twenty-five Chas. Daly guns which had been specially prepared for the exposition. The prices of these guns ranged from $100 to $400. The barrels were made of the new Krupp special steel, which is very strong. They also showed Walsrode smokeless powder, Wright & Ditson's tennis rackets, and Horton steel fishing rods, for all of which the company are agents. The collection of sporting cutlery, revolvers and bicycle sundries was very fine.

One of the most interesting parts of their exhibit was the immense elk head which they have had in their store for a number of years. This head is said to be one of the finest in the world, the antlers measuring 6 feet 4 inches and 6 feet 3 inches. It is the head of an animal shot on the Laramie plains some ten years ago, and was purchased by them in Denver from Carlos Gove, the celebrated rifle shot and pioneer.

The feature of the display made by the U. S. Net & Twine Co. was the Kosmic brand of fishing tackle, which included rods, reels, lines, and other implements used by anglers. The specialties in rods were one gold mounted rod, valued at $500; two sterling silver rods at $200 each; also two fly rods made for D. A. Heald, president of the Home Insurance Co. The lightest of these weighed 1¼ ounces, the other 2⅛ ounces. They are the lightest rods of which there is any record. Both are entirely practical, and can be fished with as well as a rod of heavier weight. There was also a rod made of six joints for carrying in the pocket.

The automatic magazine target trap shown by the Cleveland Target Co., attracted the attention of shooters. It is fitted with a saddle chain and pedals, and is worked in a similar manner to a bicycle.

The punching bags attached to the exhibit of the Overman Wheel Co. were a source of irresistible attraction for the sluggers in embryo. They were continually on the move, and many a cross counter did they get in on the unwary punchers, much to the edification of the onlookers, and the satisfaction of their more modest brethren who did not essay to show off in public.

The Remington Arms Co. showed in glass cases, arranged at the back of the space, a variety of hammer and hammerless guns and target and hunting rifles. On a table were arranged the parts of Remington arms, including rifle and revolver mechanism.

The two rapid fire guns at the stand of the Union Metallic Cartridge Co. seemed to have a fascination for many. One was a three-pound Hotchkiss, the other a one-pound Driggs. A three-inch steel plate, riddled, near at hand, gave silent testimony of the power of these samples of modern ordnance.

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A distinctive feature of the Winchester Repeating Arms Co.'s show was a glass case containing a 22 caliber repeating rifle and a repeating shot gun, mounted on mechanism with electric motor, which operates the arm, putting them through the operation of loading, firing and ejecting old shells. Two handsome glass cases, which contained pyramids formed of shells, cartridges and bullets, occupied prominent places in this exhibit.

The sharpshooters who performed on the stage during the week accomplished many apparently impossible feats with their deadly rifles. Swinging glass balls were broken with unerring accuracy, the rifles being held in many different postures. The most striking part of this novel entertainment, and one which evoked rounds of applause, were the musical selections that were shot out of xylophone targets, composed of strips of steel. "Sweet Marie," "Home Sweet Home" and other tunes were played.

At the stand of a fishing tackle concern a lady tied trout flies from bright colored feathers, making a fly called the Jenny Lind. These were presented to the bystanders, much to their delight.

Everywhere was the best of feeling shown, visitors being invited to handle, inspect and examine the articles on exhibition to their heart's content, and in but few places was the sign "hands off" displayed.

The following named constituted the committee of patrons and exhibitors of the prize and trophy loan exhibit: Hon. Grover Cleveland, Herman Oelrichs, George Gould, Howard Gould, R. Spalding de Carmendia, Rev. W. S. Rainsford, George Work, James L. Kernochan, Hugh H. Janeway, Walter Camp, Henry Whiting Garfield, Richard Stevens, N. Sperling, Bartow S. Weeks, Fred. R. Fortmeyer, Charles Tatham, Clarence Hobart, H. E. Buermeyer, John B. Day, William B. Curtis, F. Brinkerhoff Thorne, Philip King, Daniel Chauncey, George D. Phillips, Robert Bonner, Horatio Nelson, Col. Lawrence Kipp, Frank W. Sanger, C. Oliver Iselin, Theo. A. Havemeyer, D. O. Mills, James Whitely, Valentine G. Hall, H. O. Talmadge, John M. Ward, Hon. H. A. Gildersleeve, L. T. Duryea, Edgar Murphy, L. S. Thompson, J. Gould Brokaw, Charles C. Hughes, R. E. Peary, U. S. N.; Orville Oddie, Jr.; Samuel W. Fairchild, Gov. John W. Griggs, Gus Zimmerman, Harry Cornish, Frank de Haas Robinson, George G. Tyson, Hon. C. H. Ebbets, J. E. Sullivan, John B. Yates, J. Otto Donner, Howard H. McLean, Wm. E. Carlin, Wm. H. Ford, Benj. G. Fairchild, J. J. Elliott, J. Pierpont Morgan, J. Herbert Ballantine, Bernhard Gilpin, Jr., and Robt. D. Wrenn.

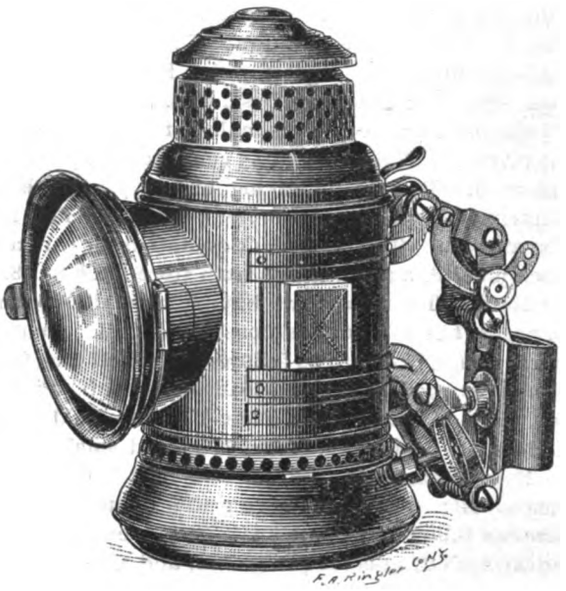
New England Hardware Dealers Association.

The monthly meeting of the New England Hardware Dealers' Association was held on Wednesday evening, March 11, at the Castle Square Hotel, Boston. The meeting was well attended. Ex-president Samuel H. Thompson, of Lowell, offered fitting resolutions on the death of the late Governor of Massachusetts. The following committees were elected: Pricing committee, composed of the following gentlemen: A. M. Gardner, H. M. Saunders, S. D. Balkam, M. A. Chandler, and H. G. Janvrin. Investigating Committee composed of George W. Burditt, Thos. D. Baldwin and Charles D. Darling. After business was disposed of the company sat down to a banquet, and were afterwards addressed by Webster R. Walkley, of the Peck, Stow & Wilcox Co.; Major N. W. Perkins, of New Haven, Conn., and others.

F. E. Kohler & Co., Canton, Ohio, Syracuse Specialty Mfg. Co., Syracuse, N. Y., and Gibbs Mfg. Co., Canton, Ohio, have by mutual arrangement advanced and established uniform prices on the 9th inst. on all metal head lawn rakes manufactured by them, all former quotations being withdrawn.

A "Happy Thought" for Wheelmen.

The Bicycle Lamp here illustrated is the "Happy Thought" being successfully manufactured by the Hitchcock Lamp Co., Watertown, N. Y., for whom Surpless, Dunn & Alder, No. 15 Murray Street, New York, are general agents. The points advanced by the makers in its favor are that it has a patent adjustable hanger, that adds greatly to its efficiency; that it burns any kind of illuminating oil, and will burn for ten hours with one filling, throwing the light a distance of fifty feet. They also state that it cannot be jarred out, and in further explanation say: "The wick raiser when properly adjusted is so constructed that the wick cannot jar up and down, and the



double system of drafts keeps the lamp exceedingly cool and furnishes the flame with extra oxygen, which helps to produce a bright square-topped flame. The lamp is also constructed so that the top and bottom can be quickly detached from the body of the lamp, and all parts easily cleaned. We also have a ground lens and the reflector is accurately adjusted to the same." Further information as to prices, etc., will be sent if desired. A full presentation of the merits of this article may be found upon page 49 of this issue.

National Saw Co.'s Announcement.

The National Saw Co., Newark, N. J., make the following announcement to the Hardware trade: "For years it has been the aim of saw manufacturers to produce a cross-cut saw which would retain the same thickness on tooth from the end of saw, no matter how much the saw is filed down by sharpening. Some manufacturers have partially succeeded in producing such a saw. The National Saw Co. take pleasure in announcing to the trade, and are positive in our assertion, that, after two years of steady experimenting, we have at last solved the problem; at a great expense we have perfected machinery for grinding to attain the above result. However, not satisfied with a perfect ground saw only, we have also accomplished the manufacture of a perfect quality of steel, and we claim to have attained the highest standard of superiority in our new Hercules Steel. An important feature in our new saw is that with our new process grinding it leaves the saw so stiff no matter how much it is filed one man can use the same and work it with ease. Our improved method of grinding (the machinery of which we are sole owners and patentees), together with our extra quality of steel, enables us to claim to be able to produce the only perfect cross-cut saw made at this time. They will be known by the following brands: 'Our New Model, Up to Date, Champion—XXX Thin Back, 6 gauges—XX Thin Back, 3 gauges;' 'This saw is made of our superior Hercules Steel, and is fully warranted.'"

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Review of the Markets.

Hardware: There are a variety of opinions as to the condition of the market. Some go so far as to say "that trade has the grip," while others characterize it as fair. The consensus of opinion is that business is dull. The recent heavy snowstorm is by many held responsible for this undesirable feature. What business there is, may be said to be fluctuating. One day it may be good, the next bad. Advice from traveling men bears out the above statement. Orders are largely by mail. Money seems scarce, consequently collections are not as desired.

Wire Nails: The demand for Wire Nails during the week past has been but fair, though some think that it shows a slight improvement over the previous week. Prices are the same. We quote as follows: Carload lots or mixed carloads, $2.40 per keg base, f. o. b., Pittsburg; less than carload lots, $2.50 per keg base, f. o. b, Pittsburg. On direct shipments on contracts in less than carload lots of 24,000 pounds of Nails an extra 5 cents per 100 pounds will be charged. To jobbers taking of one mill within one calendar month 500 kegs or more, 5 cents per keg rebate will be allowed. The New York quotation for carload lots on dock is $2.58, and small lots from store fetch $2.68.

Cut Nails: The trade are buying carefully to supply their needs, but business is considered dull. Quotations stand unchanged and are as follows: Carload lots, f. o. b., Pittsburg, $2.15; less than carload lots, f. o. b., Pittsburg, $2.25. Carload lots on dock, New York, are held at $2.33; small lots on dock, New York, $2.43, and small lots from store, New York, $2.45.

Linseed Oil: The New York prices quoted on Linseed Oil are as follows: American raw, 41 cents per gallon; American boiled, 44 cents per gallon, and Calcutta raw, 52 cents per gallon.

White Lead, Red Lead and Litharge: The quotations made by the National Lead Co. continue unchanged. We quote as follows: White Lead, dry or in oil, Red Lead and Litharge in kegs, in lots of less than 500 pounds, 5¾c. net; in lots of 500 pounds and over, 5¼c.; Red Lead and Litharge in barrels and half barrels, ¼c. per pound less than price in kegs.

Putty: For the finer grades the nominal quotations are $1.40@$2.25, as to style of package and quantity.

Window Glass: The following are the quotations on Glass: French, 70@70&5 per cent.; domestic, 75&10 per cent. off.

Auger Bits: The Irwin Auger Bit Co., Wilmington, Ohio, quote a discount of 50 per cent. on their bits.

E. C. Atkins & Co., Indianapolis, Ind., issue the followind discount sheet in connection with their January, 1896, catalogue. The terms are 30 days f. o. b. factory:

Circular Saws	50 & 10%
Dado Heads	25%
Milling and Circular Saws for metal	50 & 10%
Segment Saws, 19 gauge and thinner	35 & 10 & 10%
" " 18 " " heavier	45 & 10 & 10%
Stave Sawing Machine	50 & 5%
Repairing	20%
Band Saws for log mills	50 & 10 & 10%
Narrow Band Saws	50 & 10%
Mulay, Mill, Gang, Drag, Pit, Whip and Ice Saws	50 & 10%
Cross Cut and Hollow Back Saws	40 & 5%
Hollow Back Saws, Shefield Brand	50%
One-Man Saws	50%
Handles	40%
Wood Saws, Blades and Saw Bucks	40 & 10%
Saw Tools, Gauges, Sets and Hammers	40%
Hand, Panel, Rip and Carpenters' Handy Saws	40 & 10%
Dehorning Saw	40%
Miter, Back, Butcher Saws and Butcher Saw Blades	40 & 10%
Pork Packer, Beef Splitter and Saw Knife	40 & 10%
Kitchen Saws, Nos. 8 and 9	50%
Pruning Saws, Nest of Saws, Compass Saws	40 & 10%
Felloe Webs and Fay's Scroll Saws	40%
Cabinet and Bench Scrapers	40 & 10%
Hack Saws	30%
Trowels, Flour Testers, Paving Hammers	40 & 10%
Hand Saw Handles and Screws	40%
Corn Knives	40 & 10%
Cane "	40%
Saw Makers' Tools, Speed Indicators, &c	20%
Up Sets, Atkins'	33⅓
" Mixter's	40 & 5%
Side Files	20%
Gummers, Set Gauge, Swages	20%
" Mixter's	40 & 5%
" Standard and IXL	33⅓%
Cutter Grinder	10%
Gummer Cutters, Mixter's XX and Star, 20 per cent.; XXX	25%
Stone's	33⅓
Circular Saw Guide and Rounder	20%
Saw Mill Dogs	33⅓
Hamlet Dimension Gauge	20%
Portable Wood Saw and Frame, Swing Cut Off Saw	20%
Saw Mandrels	50%
Carriage Trucks, Wheels, Track, &c	25%
Emery Wheel Gummers	33⅓
Variety Emery Grinder	20%
Emery Wheels	60 & 10%
Slaw, Vegetable and Kraut Cutters	50%

Clapp & Co., bankers and brokers, New York, in their weekly trade letter say: "The commercial year practically opens with the swelling buds and closes when the ripened fruit commences to decay. Man and nature have then cleared away all debris, and are ready to make a new record. Financial progress regularly keeps step with the returning seasons. When the buds and bonnets begin to nod to the blue sky in the golden spring sunshine you can rejoice in the blue expanse and golden edges of our elegant annual Souvenir Book. The convention to nominate a president to take office March 4, 1897, will take place in June. Delegates are being chosen, preliminary State conventions are being held, platform planks of leading parties are under discussion. In 1861 our money circulation per capita was $14.06, in 1871 it was $18.75, in 1881 it was $27.41, in 1891 it was $34.41. Africa's first large gold production was in 1887, the output being 28,754 ounces. In 1895 her output was 2,119,023 ounces. Total to 1896, about 8,358,465 ounces, worth $172,784,536. In 1886, Australia produced 1,257,670 ounces; last year 2,212,600 ounces. In 1886 Russia produced 922,226 ounces, last year, 1,250,000 ounces. In 1886 the United States production was 1,693,125 ounces; in 1895 2,273,580 ounces, leading all other producers. All other countries in 1886 produced 1,171,342 ounces; in 1895 1,798,000 ounces; equaling a total production in 1895 of 9,653,203 ounces, against but 5,044,363 ounces ten years ago."

THE PHILADELPHIA TRADE.

While the air has been hot with war and rumors of war in Cuban waters, winter has given us a parting embrace of more than usual fervor, and we have seen more snow in the last week than at any time during the entire winter.

Impassable roads do not conduce to active business, and yet there is a fair amount of business doing, while the market is evidently altogether in a waiting mood.

The winter has been so uniformly cold, although until now free from snow, that vegetation has been greatly retarded, and agriculturalists already begin to talk of good fruit crops, as so far there has been no danger from frost, vegetation being so backward that the frost had no effect. We hope, therefore, that warmer weather will come all at once and that spring trade will make an active response.

Certainly, seasonable goods have not, as yet, received their due of attention, and a sharp demand is looked for when the weather improves. Prices are uneventful, although many manufacturers appear envious of the success of the Nail men and are anxious to follow in their wake in a path which may lead to glory, if not to profit. Strap and T Hinges and Common Carriage Bolts are already so affected, and Dame Rumor suggests other lines, which are regular, to be advanced in the same way.

Collections are slow—there is no denying the fact—and the Bicycle business is evidently absorbing a large share of the money of the country. There seems, however, to be no waning of the craze; on the contrary, it appears to be, if anything, on the increase, and next summer promises to be the wheeling year par excellence. Meanwhile it is interesting to hear the discussions as to the relative methods of "high grade" wheels. One neighboring firm has a wheel in their window marked "absolutely high grade" at a price somewhat under $50, and as the $100-men have until now been monopolizing the words "high grade," it is rather curious to see how little these words mean. We understand there are some four hundred different lines of

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bicycles on the market, each of which claims to be the best, so the customer who cannot be satisfied out of four hundred "best" machines, is certainly a very hard one to please. There is no doubt that bicycles belong to the Hardware trade, and we are glad to give *Hardware* its meed of praise for having been among the first to call this to the attention of the Hardware trade. BIDDLE HARDWARE CO.

THE CLEVELAND TRADE.

Continued stormy weather has tended to retard the opening of spring business. Notwithstanding this fact, however, the volume is quite satisfactory, and we have the consolation of knowing that the storms and snow fall which are so uncomfortable for human beings, are really just what is required for the agricultural section.

This section suffered from the lack of sufficient crops in 1895, and it will require a prosperous crop season in 1896 to set them on their feet.

There are no items of particular interest to report. Values remain about the same as at the date of our last letter. The movement of bicycles still continues, and every indication points to a great rush immediately after the opening of the spring weather.

MCINTOSH-HUNTINGTON CO.

THE ST. PAUL TRADE.

Since our last letter we have enjoyed a very good amount of business in all lines; possibly we might brag more on the amount of bicycles we have been selling than on any other article.

Our weather has been very favorable, and seems to point towards an early spring. In this frozen north an early spring is a desirable thing. If our farmers can get their wheat into the ground by the middle of April, they are assured of safety against frost.

In some years, especially in the northern part of Minnesota and North Dakota, the wheat has been sown rather late, and frost came in the fall before it was ripe, and the result was frozen wheat, worth almost nothing.

We know no reason why we should not have a good spring trade, as there is no doubt 40 per cent. of last year's crop unsold, but the prices are so low that the farmer has held on, in hopes of a higher price. We believe that the amount of money realized from the crop last fall will be more than usually realized out of a crop. All together, there cannot possibly be any rush of business.

The trade in Barbed Wire and Nails has been fairly large; not quite as many carloads have been sold as other years, we believe, for the reason of the high price on the nails.

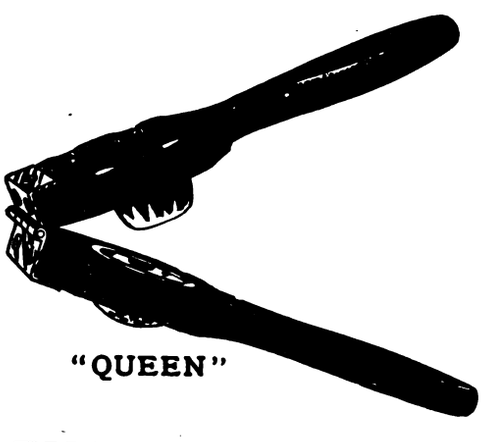
The small dealer thinks there will be a great decline in the near future, and as he does not need nails until April, or possibly May, he will put his buying off until he positively needs them.

The sales of painted wire cloth have been made early in the season, because of the extremely low price, and with this have gone Spring Hinges and Screen Doors. All together, there has not been as many future orders taken as usual up to the present time.

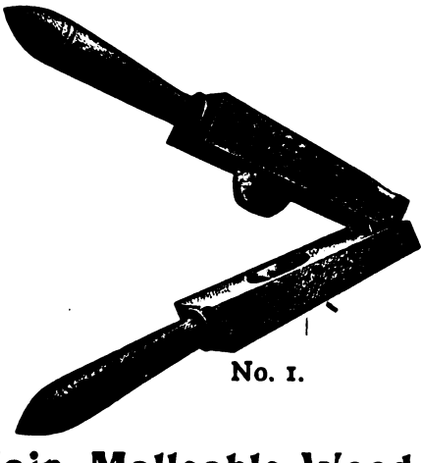
C. W. HACKETT HARDWARE CO.

THE DAVENPORT TRADE.

A Wire Nail company desired to quote us price. We replied that it would give us pleasure. The quotation came to-day as follows: "Our price is $2.67, car lots, freight allowed" (of course, we understand there is 50 cents per keg added to this price for air), and then apologizingly the letter continues. We ask you to buy on the principle of the man who charged Bill Nye $3 for a sandwich. Bill asked why such a price, and the man replied, "Well, dumb it, I need the money." This seems very frank indeed. We think, however, that William had the advantage of the nail buyer, for the sandwich manufacturer did not ask $3 and then insist upon taking $3.50, or 50 cents more than he had

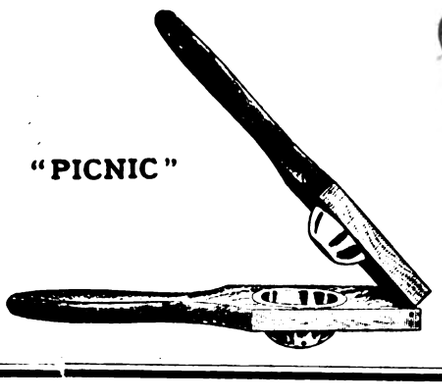

"QUEEN"


"BOSS"

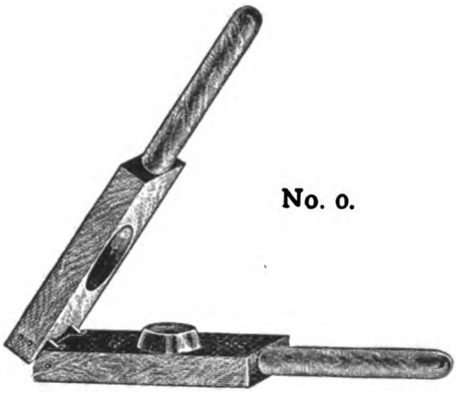

No. 1.

LEMON SQUEEZERS: Aluminum, Porcelain, Malleable, Wood.

TUCKER & DORSEY MFG. CO., Indianapolis, Ind.


"PICNIC"


"GEM"


No. 0.

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quoted, and the sandwich manufacturer did not keep Mr. Nye waiting for six months for 10 cents of the change that was coming to him, or refuse to ever give it to him if he should buy sandwiches from the "other feller" at a less price.

Notwithstanding the exorbitantly high price of Wire Nails, it is intimated there will be another advance of 10 cents per keg April 1st. Price of Screws has again been turned down and market is demoralized; Hinges are swinging higher, Carriage Bolts are lower, Cotton Fuse has advanced, price of Linseed Oil has been crushed down to 36 cents for raw and 38 cents for boiled, and dealers are taking it in lively, anticipating an advance. The price of Barb Wire is too low and is selling freely.

General Hardware trade is better than a year ago, with collections only fair. SICKELS, PRESTON & NUTTING CO.

THE COLUMBUS TRADE.

This week started out with snow, and it looks as though it was going to keep it up all week. "Durn" the ground hog anyway. He is at the bottom of the whole business. He had better stayed in his "hole" the "whole" of February. Of course he had to go back in his "hole;" and surely it was a hog "hole," and he was a "whole" hog. If I don't forget it next February, I am going to get a man to stand by the "hole," and as soon as the hog sticks his "whole" head out of the "hole," knock a "hole" in him; and that will settle the hog. Some kinds of ground hog have a bad effect on people at night after eating too much, but the kind I refer to affects your nerves in the day-time, when you are wide-awake. Trade is going to pan out as well for the first three months in '96 as in '95 if it keeps up at the present rate the rest of the month. Collections have not improved much yet, and will not until the weather settles so work can be resumed. Farmers are complaining that the wheat is killed, but they always talk that way until harvest time. There is no denying the fact that it does look badly now, but when the blanket of snow is removed it may look better. The season will be later than '95, but it is to be hoped that our bad weather will come now and not later. SMITH BROS. HARDWARE CO.

THE PITTSBURG TRADE.

The severe weather of early March has been quite a drawback to trade, and it is not up to the expectations earlier in the year. Collections are quite slow, and failures among retailers more frequent than we like.

Yet, with it all, a fair volume of business is doing and better weather will improve matters wonderfully.

Pittsburg is now interested in the visit of the Congressional River and Harbor Committee to inspect the Monongahela and Ohio rivers.

The immense coal fields on the upper Monongahela are as yet only touched, and their natural outlet to market is by these rivers. The Monongahela is improved by locks and dams as far as Morgantown, W. Va., and the improvement from Pittsburg to the West Virginia State line is owned by a private corporation. The effort is to have the government buy out this company, improve the upper river and the Ohio by locks and dams so that coal may be moved all through the year.

The Ohio River and Lake Erie Canal is also a part of the scheme of our improved waterways. This has been lately surveyed and shown to be quite practical, and can be built for about thirty million dollars.

By it Lake Superior iron ore could be laid down at our furnaces without breaking bulk, and boats returned loaded with coal or other Pittsburg products.

Few people have knowledge of the immense tonnage of our rivers, and this visit of the Committee is expected to afford them ocular demonstration of it.

LOGAN-GREGG HARDWARE CO.



The '96 WISCONSIN.--Price, $100.

Points of Excellence.

THE Heart of a Bicycle is the Cones and Cups. We have a new process for making ours, which makes them absolutely indestructible. Turned from highest grade tool steel, they are carefully tempered and drawn to a straw color, then highly polished. This insures light-running qualities. Our finish is high grade—the best Jet Black Enamel, and baked on right; heavy nickel plating on copper; Barrel Hubs with spokes set in flanges; Barrel Crank Hanger; large balls; tools that are made for use and not to look at; Handle Bars can be adjusted to any position while riding; Cork Grips, tipped with black; the new Quick Repair M. & W. Tires; new Fork Crown, handsomely nickeled. The Wisconsin has so many new features for '96 that it will hardly be recognized by its many friends. It was a favorite last season. It will be a leader this year. Only one agency in a town. Make your application now. Don't wait. A guarantee with each wheel. If you doubt our statement about Cones and Cups, send for sample and be convinced. . . . . .

. . . Write us for Terms and Discounts now.

CRIBB CARRIAGE CO.

A Beauty. Light and Strong.

Our Ladies' Model . .

Excels all others in Graceful Lines, Light Running Qualities, Brake and Guard Construction, Ease in Mounting and Steering.



The '96 LADIES WISCONSIN.--Price, $100.

. . . CRIBB CARRIAGE CO., Milwaukee.

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THE TOLDOE TRADE.

In reviewing the trade and business for last January, February and March, up to the present time, we feel very well satisfied. That which has been done shows more business than for the same time in 1895. Prices are fairly well maintained, and although some manufacturers are making special inducements to induce the jobber and dealers to purchase goods; still, we find that most of the lines are stiffening. Some few lines have had considerable of an advance, such as Carriage Bolts and a few other articles. Galvanized Iron and Sheet Iron have also slightly advanced, and no doubt that as soon as we get good warm weather, and the warm rays of the sun melt the snow and ice, trade will be very satisfactory, although we do not anticipate any extra large business, this being a presidential year; still we think that stocks in the retail dealers' hands are not too large.

Collections we find are good in some localities while in others they are very poor. Taking it as a whole, we do not think collections are as good as a year ago.

We find that we are obliged to carry a good many more people than formerly, in fact the dealers that used to discount their bills are becoming very scarce, and are not only taking the full limit of sixty days, but even asking beyond that time. We think that the tightness of the money market, and the high rate of interest that the banks are asking, is doing more to retard business than anything we know of, as everybody is trying to be very conservative, in fact we think a little over-conservative.

It is really to be deplored that the mercantile business of our country has to depend so much on the whims of the bankers, and no doubt, as soon as our moneyed institutions will let go of their hoardings, we can depend on a better business. No doubt the silver agitation is making bankers hoard the money that ought to be in circulation, but we "live in hope" for the better.

STOLLBERG & CLAPP CO.

THE BALTIMORE TRADE.

It would be folly to expect any great amount of business with weather conditions—such as we have experienced during the past fortnight—so unfavorable. Snow, sleet, slush, rain, an elemental medley delightful to the lover of variety, but doleful enough to the poor country merchant. Nor were "the winds tempered to the shorn lamb," for that sagacious animal still retains his wool and Mr. Merchant, looking at his unsold stock of Sheep Shears, vows vengance

HARDWARE DEALERS

Who handle Bicycles should examine the

VICTOR

We use pounds of crucible steel where other makers use ounces. The Victor hollow crank axle will at once commend itself to mechanics.

Our '96 Victor comes nearer to perfection than any wheel ever made.

OVERMAN WHEEL COMPANY,

Makers of Victor Bicycles and Athletic Goods,

BOSTON. NEW YORK. DETROIT. DENVER.
Pacific Coast: SAN FRANCISCO. LOS ANGELES. PORTLAND.

Situation Wanted.

PERMANENT situation wanted by man of 31 as tin, copper and sheet iron worker. Fourteen years' experience at general jobbing, mill and factory work. Address G. A. H., No. 2025 Chippewa Street, St. Louis, Mo.

Attention, Hardware Manufacturers.

ANY manufacturer of Hardware that is doing a good paying business, and would like to change their location and occupy a new factory, will find it to their advantage to write to me. H. F. SAWTELLE, Leominster, Mass.

Great Chance for Agents.

WANTED—Agents to sell the transparent handle pocket cutlery, underneath which can be placed name and address on one side, and photos, celebrities, machinery trade or society emblems, etc., on the other side. Commission is such that an income of from $75 to $300 per month can be earned. No salaries paid.

Goods cannot be carried as a side line. For particulars and terms address NOVELTY CUTLERY CO, Box 197, Canton, Ohio.

HIGHEST GRADE OILER

FOR HIGH GRADE WHEELS.

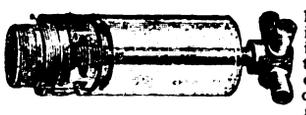


Regulates supply of oil to a drop.

DOES NOT LEAK.

Cushman & Denison, 172 9th Ave., N. Y.

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of ours

FORBES PATENT DIE STOCKS.

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PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden St., Bridgeport, Conn.

Wheels FOR The People

"APOLLO," $75.00

"VESPER," $50.00

High Grade Juvenile Wheels

"CYCLOE" AND "FAIRY."

LAMPS, BELLS AND SUNDRIES.

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THE "AMERICA" PENNSYLVANIA, NEW JERSEY (SOUTH OF TRENTON), DELAWARE, CENTRAL AND WESTERN NEW YORK.

"WORLD." PENNSYLVANIA, SOUTHERN NEW JERSEY, DELAWARE AND MARYLAND.

Lovell Diamond Wheels

IN PENNSYLVANIA.

EDW. K. TRYON, JR. & CO.,

Send for Catalogue.

PHILADELPHIA.

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THE BARNES WHITE FLYER

Is a Popular and Trustworthy Mount.

IT can boast of more novel features than any machine on wheels.

The Barnes Cycle Co.,

Write for Catalogue. Syracuse, N. Y.

Crazy Water Whip Co.

SHELBYVILLE, IND.

A Wonderfu', Simple and Effective Lawn Sprinkler, and a Rap'd Seller.

Write for Description.

Aladdin Lamp, $3.00.

Built to Burn on Bicycles.

THE ALADDIN LAMP CO,. Newark, N. J.

The Kirk-Young Mfg. Co.

TOLEDO, OHIO.

Manufacturers of

High Grade Wheels

At Medium Price.

Especially Designed for the Hardware Trade.

Write for Territory and Prices NOW

W. W. Lawrence & Co.

PITTSBURGH AND BUFFALO

This name on a Keg of White Lead, a can of Paint, Color Stain, Putty or Varnish means that the material in the package so marked is the very best of the kind made. WHEN YOU BUY, be careful to ask for THE LAWRENCE BRAND and take no other, even if it is said to be "just as good." In this way you will always be sure of getting

THE VERY BEST.

on the soft-tongued stranger who beguiled him into such an investment.

But, Mr. Merchant, you have no cause to despair. If shearing time passes without disposing of your stock, think what a monopoly you will enjoy when the Government Popular Loan will create a demand for Coupon Clippers. To the pioneer belong the spoils!

While trade adjacent and tributary to this market has received a set back from causes named above, business in the Carolinas and South has been very satisfactory. Few large orders, but so many small ones that the "balance of trade" is decidedly in favor of 1896.

Tempus fugit roughly translated means fly time. In this connection I would mention that Screen orders are coming in quite rapidly—a good business may be expected in this line. (Fenton, Mich., papers please copy.)

Apropos! Speaking of Fast Flyers our Bicycle manager assures me that he is meeting with good results in this department. A local cycle show is now in progress here, and has created a healthy rivalry that bids fair to do good to a good cause.

Collections! well—the least said about that the better.

TABB & JENKINS HARDWARE CO.

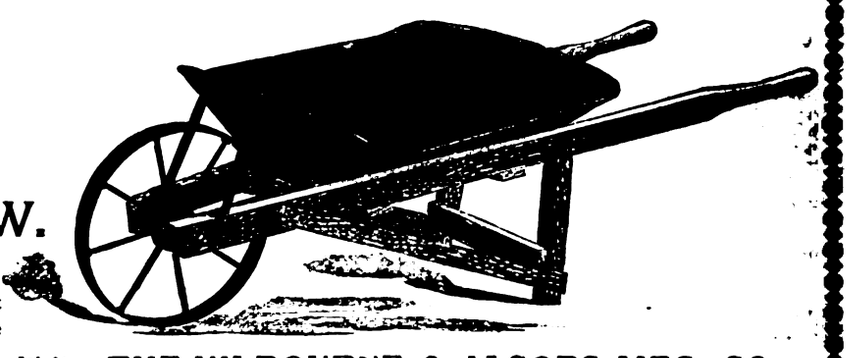
THE OMAHA TRADE.

Trade hangs along very closely in the same old notch, the weather for a short time past having been unfavorable for an increase. Prospects, however, are favorable for something of an increase in Spring trade, as the snows of the past few weeks have put both farmers and merchants in a better state of mind, and all reports indicate that the ground was never in a more favorable condition for seeding than now. Prices are fairly well maintained, some season goods, as usual, being demoralized, but to no greater extent than is customary at this time of year. The Nail market is holding its own with an unexpected amount of firmness, but Barb Wire is a little weak, and an unsettled feeling prevails.

RECTOR & WILHELMY CO.

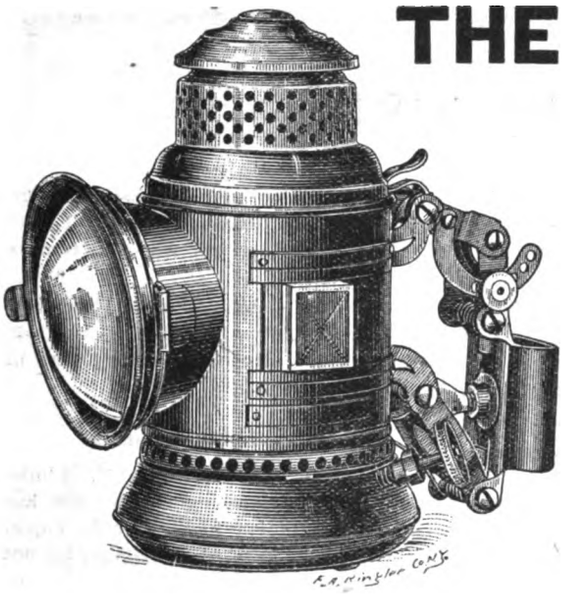
PAN-AMERICAN R. R. BARROW.

With Round Steel Spoke Wheel. The most durable, lightest and best barrow made. Used all over the world. Barrows for all purposes.



Write THE KILBOURNE & JACOBS MFG. CO. COLUMBUS, O., U. S. A.

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THE HAPPY THOUGHT

BICYCLE LAMP.

PATENT ADJUSTABLE HANGER.

It Burns any Illuminating Oil.
It Burns 10 Hours.
It Throws Light 50 Feet.

The light can not be jarred out. The wick-raiser when properly adjusted is so constructed that the wick can not jar up and down, and the **double** system of drafts keeps the lamp exceedingly cool and furnishes the flame with extra oxygen, which helps to produce a bright, square-topped flame. The Lamp is also constructed so that the **top** and **bottom** can be quickly detached from the body of the Lamp, **and all parts easily cleaned.** We also have a ground lens and the reflector is accurately adjusted to the same.

SURPLESS, DUNN & ALDER,
General Agents,
15 Murray Street, New York.

HITCHCOCK LAMP CO.,
Manufacturers,
Watertown, N. Y.



THE MUNGER

THE LIGHTEST, STRONGEST.

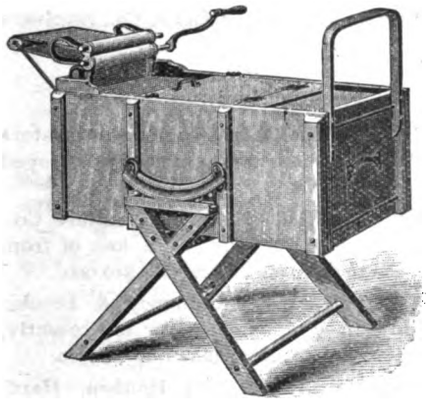


BRANCH & CURTIS, 39th St. and Calumet, CHICAGO.

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THE MUNGER CYCLE COMPANY,

INDIANAPOLIS, IND.



A Good Washer.

A GRAND SELLER.

Liberal discount and exclusive sale to dealers.
. . . . . Write for prices.

Rocker Washer Co.,

Fort Wayne, Ind.

The . . . '96 **Meteor** Leads All Others

First in Beauty
First in Durability
First in the Eyes of Experts

Pretty as a Picture
Strong as a Locomotive
Swift as the Winds

HIGH GRADE THROUGHOUT . . . but the **CHEAPEST WHEEL** on the market . . . WHEN MERIT IS CONSIDERED

METEOR CYCLE CO.,

297 Wabash Avenue, - - CHICAGO, ILL

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Albany, Iowa.—W. R. Slocumb & Son.

Atlanta, Tex.—Wm. Jacobs.

Belmont, N. Y.—J. Hoyt Corbin & Co.

Charleston, Tenn. — Sam Johnston and Fate Hall.

Homer, N. Y.—F. E. Williams.

Lynchburg, Va.—Bailey, Spencer & Co, No. 1014 Main Street.

Marion, S. C.—Henry Wilcox.

Nicholson, Pa.—James Flynn.

Richmond, Tex.—H. L. Dyer.

San Angelos, Tex.—John Findlater, Jr.

Record of Changes.

Agra, Kan.—Underwood & Justin, Hardware, succeeded by L. W. Underwood.

Bangor, Me.—Patterson & Munce, Hardware, reported to have dissolved partnership.

Bayonne, N, J.—H. N. Carver & Son have sold their Hardware business at No. 189 Avenue D, to George W. Conklin, a real estate dealer, who has been a resident of this city for many years. Mr. Conklin is an energetic business man who has been successful. He will carry a full line of Hardware and paints.

Brookfield, Mass.—George Corey, Hardware, reported sold to Frank Corey.

Canner, Ky.—Blakey & Cowherd, Hardware, succeeded bv F. R. Blakey.

Chicago, Ill.—J. S. Dietcher & Co., Hardware, reported to have dissolved partnership.

Cincinnati, Ohio. — Evans & Kellam, Hardware, reported to have dissolved.

Clayton, N. Y.—James Hayes, who has been in the Hardware business since 1873, has sold his stock of goods to H. Roof & Sons Co., who will conduct the business at the same stand. Mr. Hayes was forced to retire on account of ill health.

Cohoes, N. Y.—Jared H. Blair, who has been engaged in the Hardware business at Vischer & Clark's store on Oneida Street, has disposed of his stock to Robert Smith, the Hardware dealer.

East Troy, Wis.—Donaldson & Lumsden, Hardware, have been succeeded by Donaldson & Lacy.

Elizabeth City, N. C.—John L. Sawyer & Co., Hardware, have been succeeded by Sawyer & Aylette.

Fredericktown, Ohio.—Cook & McConnell, Hardware, sold out to A. R. Bigbee.

Fredonia, Ky.—Crider & Maxwell, Hardware dealers, have dissolved partnership.

Grand Blanc, Mich.—Chas. Stuart, of the firm of Stuart & Maxwell, Hardware dealers, has sold his interest in the business to A. D. Banker. The business will be carried on under the firm name of Banker & Maxwell.

Greensburg, Ind.—William Buckley has purchased a half interest in the Hardware store of his brother, Ralph Buckley.

Greenwood, Ind.—Geo. H. Hornbuckle has bought the Hardware store of Thos. Casey & Co. Mr. Hornbuckle has been a resident of Greenwood for some time.

Hamilton, Mo.—Morse Bros. & Co., Hardware, etc., succeeded by Morse Bros.

Hightstown, N. J.—J. C. Early, Hardware etc., succeeded by Frank T. Norcross.

Hutto, Tex.—The Hutto Hardware Co., stock purchased by C. R. Stephens.

Italy, Tex.—Bracken & Windham, Hardware, etc, have been succeeded by Bracken & Moore.

Kirkville, Iowa. — A. J. Fairchild has traded his stock of Hardware to W. A. Foster, of Ottumwa, for a farm. Mr. Foster will move to Kirkville and take charge of the stock.

Lowell, Mich.—R. Quick & Son have sold their Hardware stock to Fred L. Fallas and Frank B. Clark, who will continue the business under the name of Fallas & Clark.

Mars Hill, Me.—G. A. Houghton, the Hardware merchant, has sold his stock in trade to R. A. York, who will take possession about April 1st.

Masonville, N. Y.—J. I. Boyce and Charles Wade have purchased the Hardware business of McKinnon & Culver.

Massena, Iowa.—John Holste, Hardware and implements, has traded business to Mr. Roberts, of Adams, for a farm.

Maysville, Ky.—Brierbower & Shanklin, Hardware, stoves, etc., succeeded by S. A. Shanklin.

Melrose, Minn. — Andrew Dietrich has sold out his interest in his Hardware store to Jos. Kraker.

Monroe, Iowa.—L. W. Fisher has bought out the Thomaston Hardware store.

Newark, Ohio.—Elliott & Wilson, Hardware, have purchased the Wilson White Hardware store, and the two stores will be consolidated. Frank Elliott has been admitted as a member of the firm, which will be known as that of Elliott, Wilson & Co.

Russellville, Ark.—Hall & Smith, dealers in Hardware, have sold out to C. P. Hall.

Tipton, Iowa. — Cook, the Hardwareman, has bought the building now occupied by the "Little Market" grocery and will open up a stock of Hardware soon.

Vernon Centre, Minn.—The Poster Bros., of Lake Crystal, have purchased Henry Thew's Hardware store.

Woodsfield, W. Va.—J. T. Dougherty has sold his interest in the Hardware store to L. P. Egger. The firm will be Buckio & Egger.

Improvements and Removals.

Chandlersville, Ohio.—J. W. Fogle, Hardware, stock purchased by A. P. Vogt, of Zanesville, who will remove same to that city.

Clifton, Ohio.—George H. Smith has purchased the Hardware store of Dickman Bros., at Yellow Springs, who will remove to this city.

Nevada, Mo. — John Deere, Hardware, stock purchased by C. E. Evans, who will move same into his new building west of the Thornton bank.

Business Embarrassments.

Chillicothe, Ohio. — Charles C. Limle, Hardware and plumbing supply store, has made an assignment to Wallace D. Yaple. Stock is valued at $750, and liabilities not yet ascertained.

Elizabeth, Pa.—The firm of L. M. Snowden & Son, Hardware, have made an assignment for the benefit of their creditors. The indebtedness foots up to $1800.

Lena, Ill.—D. W. Hayes, the leading Hardware merchant of this place, made an assignment recently. Liabilities, $5000.

Redwood, N. Y. — Cabot S. Reade, Hardware merchant, made an assignment recently.

Burglaries in Hardware Stores.

Honesdale, Pa.—Graham Watts, $50.

Long Island City, N. Y.—William Brodes, $300.

Milton, Ind.—F. M. Jones & Co., $200.

Pewamo, Mich.—William Millard, $ 30.

Savona, N. Y.—W. E. Joint, $40.

Sherwood, Ohio.—Miller & Co., revolvers and cutlery.

Fires in Hardware Stores.

Bellefontaine, Ohio.—The Hardware store of W. W. Osborn was completely destroyed by fire recently.

Duluth, Minn.—Meining Hardware Co., stock damaged by fire, at a loss of from $13,000 to $15,000; insured for $10,000.

Janesville, Wis. —Crummey & Brooks, Hardware store, damaged by fire recently. Contents a total loss; insurance, $3500.

Johnstown, Pa.— John Hannan, Hardware, Franklin Street, stock damaged by fire, at a loss of $5000.

Leadville, Col.— Tompkins Co.'s Hardware store damaged by fire. Loss, $600.

New Hope, Pa.—Fire destroyed Cook & John's Hardware store recently. Loss, $25,000; fully insured.

New York, N.Y.—Carl Recht's Hardware store, No. 352 Eighth Avenue, was damaged by fire recently to the extent of $500.

Snelling, Cal.—H. H. Herron, Hardware, destroyed by fire at a loss of $4000, insured.

West Troy, N. Y.—Fred Campbell, Hardware, No. 2135 Second Avenue, store was burned recently. Will erect $2200 two-story building.

York, Neb.— Hunter's Hardware store was damaged to the extent of $1000 by fire recently.

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A KEY TO SUCCESS is in keeping up with the times. Selling

SUNOL Bicycles

which will satisfy your customers is another.

The McIntosh-Huntington Co.
CLEVELAND, OHIO.

E. J. JOHNSON & CO.,

MINERS AND SHIPPERS OF

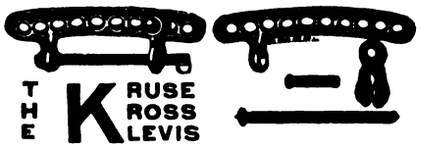
ROOFING SLATE.

OFFICE, 38 PARK ROW,

Quarries, Bangor, Pa. NEW YORK.

SLATE SLABS OF EVERY DESCRIPTION.

BLACKBOARDS, NAILS, TOOLS, FELT, CEMENT, &c.



This Clevis being adjustable fits any plow. Only one kind to keep in stock.

THE KRUSE KROSS KLEVIS CO.,
HIGGINSVILLE, MO.

WORKS PERFECTLY IN COLDEST AND WINDIEST WEATHER.

UNIVERSALLY ADMIRED BY THE PROFESSION.



Justly the Favorite!

THE constant and steady increase in the orders for our **FIRE POTS**, attest, better than words, their superiority.

The mental satisfaction which accompanies success is one of this world's greatest pleasures!

WE ARE PLEASED AND HAPPY.

Sold by jobbers everywhere, or will be shipped directly from the makers. . .

CLAYTON & LAMBERT MFG. CO.
YPSILANTI, MICHIGAN.

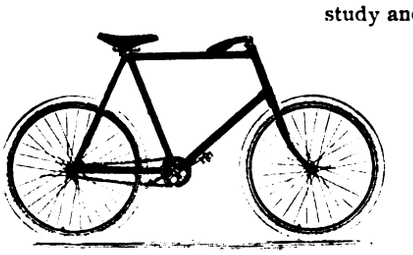
HUNDREDS OF THOUSANDS IN DAILY USE.

WILL HEAT THE HEAVIEST COPPERS FASTER THAN ANY ONE MAN CAN USE THEM.

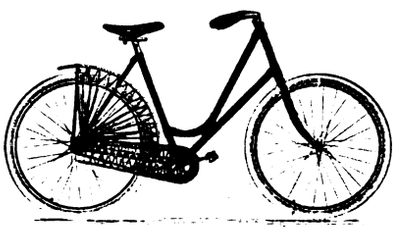
Ben-Hur BICYCLES

Are Built to Stand
"HARD WEAR."

The pun is unintentional, but the wheel is the result of six years' study and improvement.



BEN-HUR, No 19

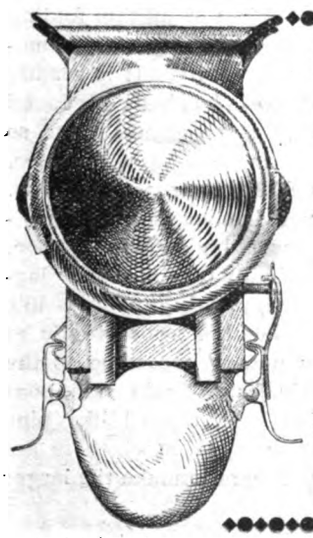


BEN-HUR, No. 20.

THEY have always been as good as the best and they now are **"Better than Ever."** Our name plate is a guarantee of excellence.

Artistic catalogue, containing cuts and description of our four models and two tandems ready for distribution. Send for one.

CENTRAL CYCLE MFG. CO.,
9 Garden St., INDIANAPOLIS, IND.



Favorite Bicycles
Favorite Lamps.

RECENTLY introduced, but no experiment; we depend upon the quality of our goods to build up our business. Write for Catalogue. . . . . .

Sharpless & Watts,
PHILADELPHIA, PA.

Jobbers of Tubing and Bicycle Material
Of Every Description.

LIGHT .·. SAFE .·. COMFORTABLE

Dealers, Write for Discount.



Jobbers, Ask for Electrotypes.

Manufactured by **Geo. Hilsendegan,**
DETROIT, MICH

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HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Etc.

Angola, Ind.—The National Annunciator Co., with a capital stock of $10,000, incorporated. The company propose to manufacture an electrical train annunciator.

Atlanta, Ga.—The American Tool & Machine Co., incorporated; to manufacture all kinds of machinery, etc. Capital stock, $100,000.

Buffalo, N. Y.—The Spaulding Machine Screw Co., incorporated by Hudson Hoagland and Thomas H. Spaulding, of New York City; W. H. Crosby, of Buffalo; G. W. M. Reed, of Hartford, Conn., and C. A. Pugsley, of Peekskill. Capital stock, $300,000.

De Soto, Cal.—The De Soto Agricultural Mfg. Co., incorporated by John Carry, Henry Lapp and George Mahn. Capital stock, $30,000.

Erie, Pa.—The Beacon Mfg. Co., incorporated by Samuel E. Bacon, John Oliver, Frank W. Bacon and others; to manufacture tools, machinery, etc.

Hartford, Conn.—The Whitney Mfg. Co., organized for the purpose of making all kinds of machine tools, implements, etc. The company will soon begin work, having hired accommodations for the present in Colt's Armory. The capital is $50,000. The subscribers to the capital are: Charles S. Whitney, Clarence E. Whitney and Arthur L. Shipman.

Ingleside, Ga.—The Atlanta Plow Works, with a capital stock of $20,000, will erect works at Ingleside, to employ 100 men.

Jersey City, N. J.—The Empire Self-Lighting Oil Lamp Co., organized with a capital stock of $200,000. The incorporators are: Henry M. Brigham, William H. Seidel, J. C. Lord, L. C. Hopkins and E. R. Allen, of Brooklyn; H. L. Fordham, New York, and W. E. Rocknagel, of Englewood.

Philadelphia, Pa.— The Imperial Metal Co., incorporated by David Sterns. Capital stock, $100,000.

Port Jervis, N. Y.—The Malvern & Gordon Co., incorporated by E. M. Gordon, H. H. Malvern, Anna A. Gordon and Katherine M. Malvern, of Port Jervis; to manufacture stoves, plows and castings. Capital stock, $50,000.

San Francisco, Cal.—The National Self-Locking Sash Fastener Co., incorporated. Directors: F. C. Immel, Frank Baronie, Gustave Newburger, Bernard Reiss and Jacob Bernhard. Capital stock, $100,000.

Changes and Removals.

Chattanooga, Tenn. — The old Chattanooga Agricultural Works at East End will be converted into a steel bolt mill, with a daily capacity of twenty to sixty tons. H. Clay Evans and others are interested.

Dalton, Ga.—The Cleveland Stove Works at Cleveland, Tenn., are contemplating the removal of plant to Dalton. Capital about $70,000, and employ about 75 hands.

Recent Fires.

Cherokee, Iowa.—The Cherokee Novelty Mfg. Co.'s plant burned to the ground recently. Total loss estimated at $4500; no insurance. The company manufactured the Favorite window screen and had just received two carloads of materials. The company employed fifty men and boys.

Indianapolis, Ind.—The E. C. Atkins Co., saw manufacturers, at Nos. 202 to 216 South Illinois Street, nearly one-half the plant destroyed by fire at a loss of $75,000; insured for $56,750.

Pittsburg, Pa.—Hubbard & Co.'s shovel works, Butler Street near Sharpsburg Bridge, destroyed by fire. Insured for $42,500.

Racine, Wis.—By the explosion of a gasoline tank in the engine department of the Racine Hardware Co.'s factory, at Racine Junction, recently, a fire was started that wiped out that part of the factory and caused a loss of $125,000. The insurance amounted to $37,000.

West Troy, N. Y.—Fire recently gutted the oil can factory run by the Columbia Novelty Co., at the corner of Nineteenth Street and Railroad Avenue. The loss is placed at $3000.

General.

Salt Lake City, Utah. — The Western Hardware Co., stockholders held a meeting recently and elected the following officers: Nathan Sears, president; Reed Smoot, vice-president; W. J. Bateman, secretary and treasurer. Additional capital to the amount of $10,000 has been put into the corporation.

Features of Japanese Swords.

B. S. Lyman has discoursed upon this subject before the Franklin Institute. The lecturer was introduced by F. Lynwood Garrison, Professor of Economic Geology and Metallurgy in the Institute. Mr. Lyman said that the Japanese smith carefully selected and tested his steel or iron; for, although the earliest swords were made of copper or bronze, only steel and iron have been used for many hundred years past. Preferably steel alone was used, but sometimes one-third, one-half, two-thirds, or even more iron was intimately united with the steel by welding bars together. The metal was generally Japanese, but in the last 300 years European metal has occasionally been used, and then sometimes marked as metal of the "Southern Barbarians." In the all-steel or "pure-make" style of forging, as distinguished from the "mixed make," several flat pieces of steel, amounting altogether to something over a quarter of the weight of the sword, are placed one on another, with an iron rod welded as a handle to the lowest one, and are heated in the fire. To prevent the conversion of the steel into soft iron by "burning," or oxidizing its carbon, and also to keep the surface of the metal free from iron oxide that would be injurious if hammered in, the steel is never heated without being previously covered carefully with a thin wash of refractory loam and sprinkled with straw ashes, an ingenious precaution that is unknown in Western countries. The metal, too, must be kept scrupulously clean and never touched with the hand, as the least sweat will hinder perfect welding and leave a flaw visible in the sword. The little pile of steel plates is hammered on the anvil into a single flat bar, 6 or 8 inches long, by a couple of inches wide, and perhaps ½-inch thick. The bar is then doubled over, end to end, heated again and hammered out to a bar of about the same size as before; then doubled again, reheated and hammered out once more; so on, until it has been folded and hammered out fifteen times. Then the iron handle is cut off. In that way three more such bars are made. The four bars are then welded upon one another into a somewhat larger, thicker bar, and this again is five times doubled over and hammered out to about the same dimensions. The object of all this folding and hammering out is, of course, to secure perfect homogenity, with a thoroughly fibrous structure. It is readily seen that an immense number of layers has been produced thereby. The first doubling gives 2, the second 4, and so on, 8, 16, 32, 64, 128 (or more than 125), over 250, 500, 1000, 2000, 4000, 8000, 16,000, and the fifteen over 32,000 layers. The four small bars together would have then over 125,000, and the five other foldings would give over 250,000, 500,000, 1,000,000, 2,000,000, and finally over 4,000,000 layers. The polished sword has, consequently, fine lines like the grain of wood, and they are called the sword's hide or skin; and are distinguished by names according to the form, such as straight-grain skin, broad-grain skin, pear skin (liked a halved pear), pine skin, ragged like pine bark. When iron is used along with the steel, there are several ways of combing the small bars to make the larger one.

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A MEDIUM PRICED STOVE

WITH INDIVIDUAL BURNER AND PROCESS FLAME



WILL be a leader in the **Vapor Stove** business for 1896. This fact is conceded by all. Examine the merits of **our "D" line** before placing your order for this line of Stoves.

More beautiful and better operating lines than our **Reliable Process** and **Single Generating Stoves** are not manufactured. . . .

The Schneider & Trenkamp Co.

CLEVELAND, OHIO. **CHICAGO, ILL.**

"THE AMERICA."

A Bicycle

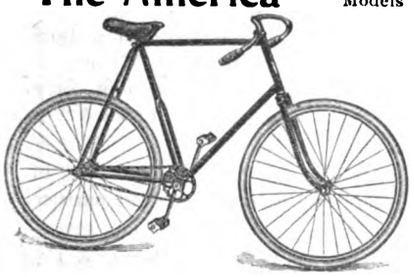
Riders and Dealers Appreciate.

With up-to-date improvements and

That is Built
That Runs.
That Looks.
That Stays.

Right

"The America"



Models include not only the usual straight bar frames, but the Original and

Improved "Truss" Frame,

made and patents owned by the International Mfg. Co., under the personal supervision of the inventor thereof.

We also make the finest Tandem on the market, both double Diamond, and Diamond and drop frame.

The Union Nut & Bolt Co.

107 Chambers and 91 Reade Sts., New York.

Agents for Northern New Jersey, and Central and Eastern New York State and the Metropolitan District; also the Export Trade.

We want an Agent in every large town and City in our territory. Write for Terms. . . .



NIAGARA BICYCLES

Are the Standard of Excellence

NIAGARA BICYCLES

Are Light, Strong and Speedy.

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Can be handled by dealers with profit.

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Are fully described and illustrated in our Annual Catalogue. Send for one.

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Sell at Sight.

Buffalo Wheel Co.,

Makers, BUFFALO, N. Y.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Alameda, Cal.—P. D. and A. C. Hinsdale, bicycles, have commenced business at No. 1354 Park Street.

Anderson, Ind. — The Anderson Bicycle Wheel Co. has been organized by stockholders of the Hartford Wheel Co., of Morrow, Ohio, and several local capitalists. Capital stock, $150,000.

Atlanta, Ga.—The Randall Cycle Co. will open new store at No. 16 Peach Tree Street. C. F. Randall, late of Boston, is proprietor, with Gus Castles as manager.

Canton, Ohio.—The Miller Hardware Co. have added a bicycle department, with Frank W. Jay as manager.

Chicago, Ill.—Ferris Cycle Mfg. Co., incorporated by L. L. Best, Ragner Oberg and Harry Olson. Capital stock, $2500.

Chicago, Ill.—Fox River Cycle Co., incorporated by Merrick A. Milhilis, William F. Heuman and David L. Zook; to manufacture bicycles. Capital stock, $2500.

Chicago, Ill.—Royal Pedal Co., incorporated by Julius Moses, Fred D. Silber and Maris T. Kendig; to manufacture bicycles. Capital stock, $10,000.

Chicago, Ill.—The Ogden Cycling Co., incorporated by Edward J. Walsh and others, with a capital stock of $1000.

Cincinnati, Ohio. — The White Bicycle Co., under management of E. B. Allen, has commenced business corner Shillito and Race Streets.

Columbia, Iowa.—Cleaver & Hutchinson, bicycles, commenced business at Nos. 219 and 221 Locust Stteet.

Denver, Col.—The Fuller Cycle Co., incorporated by Frederick H. Fuller, James L. Wilson and E. H. Wilson. Capital stock, $25,000.

Detroit, Mich. — Davidson & Sons, bicycle manufacturers of Chicago, have opened branch salesroom, under management of F. H. Chapman.

Detroit, Mich.— The Earle Cycle Co., Limited, incorporated by Horatio S. Earle, Benjamin H. Scranton, Justice R. Pearson, William H. Wetherbee and George E. Scranton; to do a general business in bicycles and bicycle sundries. Capital stock, $5000.

Dover, N. J.—Will Collins, bicycles, commenced business, handling the Columbia and Phoenix wheels.

Durand, Ill.—J. C. VanSicklen, bicycles, has commenced business.

Elbridge, N. Y. — The Elbridge Cycle Co., incorporated by Reuben Sweet, E. E. Hubbell, W. B. Sweet, John G. Halstead, of Elbridge; Alfred Higgins, C. E. Hubbell, S. M. Higgins, P. J. McLoud and G. E. Higgins, of Syracuse. Capital stock, $100,000.

Fayette, Ohio.—Charles Jones, bicycles, preparing to commence business.

Greenfield, Mass.—F. E. Forbush, bicycles, commenced business in the Pond Block, Miles Street.

Hamilton, Ohio. — The Hamilton Tube Co., incorporated by Geo. W. Peters and others; to manufacture bicycle tubing.

Hutchinson, Minn.—Sivright & Beytien, bicycles, commenced business, handling the Victor, Columbia and American wheels.

Jamesville, N. Y. — The Weston - Mott Cycle Co., incorporated by F. G. Mott, of Hamilton; W. C. Mott, of New York. L. E. Cole, of Boukeville; to manufacture bicycles. Capital stock, $40,000.

Lancaster, Pa.—Chas. S. Gill, jeweler, will take up bicycles.

Lancaster, Pa.—L. B. Herr, bookseller and stationer, has added a line of bicycles.

Lansing, Pa.—J. L. Straub and W. C. Grube have formed a partnership to sell sporting goods and bicycles.

Lawrence, Mass. — Bert Edmenster, bicycles, opened new store at No. 412 Essex Street, handling the Puritan.

Mankato, Minn.—C. D. Taylor, bicycles, commenced business, and will handle the Remington.

Middletown, Ind.—J. M. Gray Co., bicycles, will open new store at Nos. 105 and 107 North Main Street, Anderson, Ind.

Milwaukee, Wis.—Cream City Cycle Co., incorporated by Ira D. and J. E. Lundy and Willis E. Acker. Capital stock, $10,000.

Milwaukee, Wis.— The Milwaukee Mfg. Co., of which A. D. Weisselbach is president; E. W. Schreiber, vice-president; T. H. Hoyt, secretary and treasurer, have established a large bicycle plant at North Milwaukee. The company will employ 179 men, and has a capital stock of $50,000.

Minneapolis, Minn.—The New England Furniture & Carpet Co. have added a bicycle department, and are handling the Victor, the Belvidere, the Pilgrim and other wheels.

Minneapolis, Minn.— The Northwestern Bicycle Protection Co., incorporated; to aid in the recovery of stolen bicycles. Capital stock, $50,000.

Moline, Ill.—John Swanson & Co., grocers, will add a bicycle department, handling the Golden Gate. Mr. Swanson will be in charge.

Mount Vernon, Ind. — Chas. Dawson, druggist, will add a bicycle department.

Munsey, Ind.—R. M. Ball and W. H. Moreland, under the style of the Ball Bicycle Co., have commenced business, manufacturing bicycles, to be known as the Ball and the Munsey.

New York, N. Y.—J. A. Willard & Co., bicycles, etc., new store opened at No. 310 Broadway.

New York, N. Y.—Manhattan Cycle Co., new store opened at No. 333 Boulevard.

New York, N. Y.—R. H. Wolff & Co., bicycles, opened new store at No. 425 Broadway, with full line of Wolff-American and Duplex bicycles.

New York, N. Y. — The Self-Heating Pneumatic Tire Co., incorporated by Aug. Oppenheimer, Harry Meyer, Sol Lindenbern and Julius Robertson, of New York City; J. R. Gleason, of Brooklyn. Capital stock, $30,000.

Oakland, Cal.—F. J. Arnold & Co., bicycles, opened new store at No. 522 Telegraph Avenue, and will handle the Lindsay bicycles.

Portland, Ore.—The Habighorst Co., incorporated by E. R. Habighorst, A. H. Steadman and W. L. Conant; to conduct a general bicycle business. Capital stock, $50,000.

Sandwich, Ill.—Gustave Walter, blacksmith, vehicles, will add the manufacture and repair of bicycles. A partnership has been formed between him and W. G. Beveridge.

San Jose, Cal.—F. E. Manuel has opened a factory for the manufacture of bicycle sundries at No. 57 Orchard Street.

St. Louis, Mo.—The Advance Tire Co., incorporated by Martin E. Maloney, Thos. P. Luckey and others. Capital stock, $100,000.

Vacaville, Cal.—F. J. Devlin, of Suisen, Cal., bicycles, has opened new store, and the same will be under the charge of Otto Jensen.

Washington, D. C. — C. G. Schneider, Hardware, No. 1207 F Street, has added bicycles, handling the Chieftain, Tribune and other wheels.

Wellsville, N. Y.—G. W. Smith & Sons, blacksmiths, will deal in bicycles, and add a repairing department.

Westfield, Mass.—Parker L. Montgomery and Harry S. Bartlett, bicycles and athletic goods, are preparing to open new store.

York, Pa.—The York Bicycle Novelty Co. will manufacture high grade bicycles.

Zanesville, Ohio. — The Walwork Cycle Co., new firm composed of H. O. Fulkerson, H. A. Swan and L. W. Walwork, have opened new bicycle store at No. 25 Main Street.

Changes and Removals.

Aurora, Ill.—The West Side Bicycle Livery, A. V. Reising & Co., proprietors, sold out to Geo. M. Crego, who will continue the business under the style of Crego & Co.

Brookfield, Mass.— Cole & Gerald Mfg. Co. have changed name to Greyhound Bicycle Co.

Indianapolis, Ind.—Arthur D. Dickson, bicycles, reported to have been succeeded by Dickson & Beaning.

Nashville, Mich. — Feighmer & Weber, bicycles, have dissolved co-partnership. Business will be continued by A. H. Weber.

Plainfield, N. J.—John Vetterlein, bicycles, has been succeeded by Faber & Vetterlein.

Riverside, Cal.—J. L. Rogers & Son, bicycles, reported to have dissolved partnership.

Washington, D. C —C. L. Palmer & Co., bicycles, at No. 429 Tenth Street, handling the Rambler, have dissolved co-partnership. Wm. T. Robertson succeeding to the business.

Recent Fires.

Chicago, Ill.—The Defender Cycle Works, No. 84 Illinois Street, burned out. Loss, $1500.

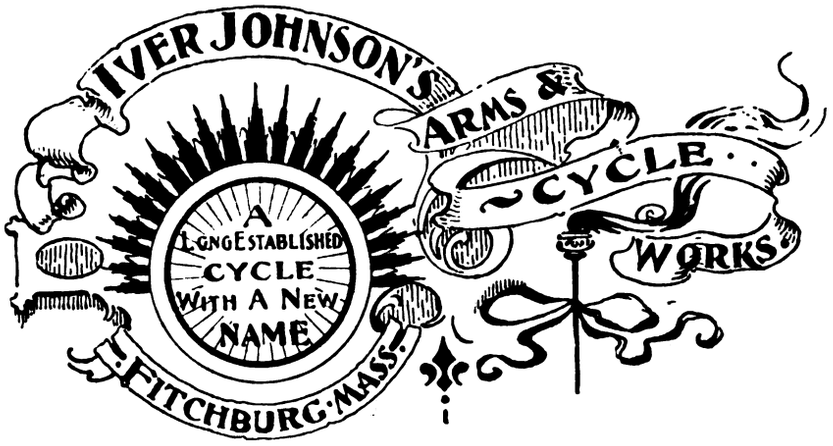
New York, N. Y.—The Garvin Machine Co., makers of bicycle machinery, No. 7 Laight Street, burned out.

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Honest Bicycles
at
Honest Prices.

25 Years' experience
as
Expert Metallurgists.

Acres
of
Machinery.



An Army
of
Workmen.

A long established reputation for Excellence in Cycle Construction.

C. J. GODFREY,
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Send
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Art
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DUNDORE CYCLE CO., Limited.

First-class Wheels.

MANUFACTURERS

BICYCLES.

Modern Prices.

Apply NOW for Territory. READING, PA.

When you begin handling bicycles

One of the important things for you to do is to find the pneumatic tire which has the most friends. When you have found it, stick to that tire. It will be well for you to know that more than sixty-five per cent. of the total tire business is done by Morgan & Wright, Chicago. They have a guarantee which guarantees. They know how to take care of their customers. You have often seen their trade-mark—

MORGAN & WRIGHT TIRES
ARE GOOD TIRES

The M. & W. quick-repair pamphlet is interestingly illustrated from life.

CRAWFORD BICYCLES

75.00
60.00
50.00
40.00

List Prices for 1896.

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Factory and Main Office:
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BRANCH HOUSES:
New York, 70 and 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents, Bigelow & Dowse Co., Boston, Mass.

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Raisin Seeder

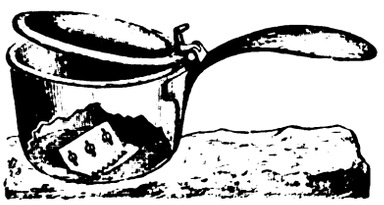


Tinned

No. 36, Size for Families, . . $1.00
No. 38, " Hotels, . . . 2.50

Ice Shredder

Tinned and Nickel Plated



No. 33, Tinned, per doz., $ 7.20
No. 34, Nickeled, . " 15.00

ENTERPRISE

Cherry Stoner.

Fruit, Wine and Jelly Press . . .

Ice Shredder.

Raisin Seeder.

TINNED

Ask your jobber for them. Catalogue mailed free.

The Enterprise M'f'g Co. of Pa.
Philadelphia, Pa.

Branch
J. C. McCARTY & CO.
97 Chambers St., New York

Fruit, Wine and Jelly Press



Tinned

No. 24, ... $3.00

Cherry Stoner



No. 1, Japanned, . . per doz., $7.50
No. 2, Tinned " 9.00

The Sterling Emery Wheel Mfg. Co., Tiffin, O.

EASTERN AGENT:

L. BEST,
45 Vesey Street,
New York.

CUTTER, WOOD & STEVENS,
131 Pearl Street,
Boston



MANUFACTURERS OF

Emery
AND
Corundum
Wheels.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1891.

LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1864.
OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

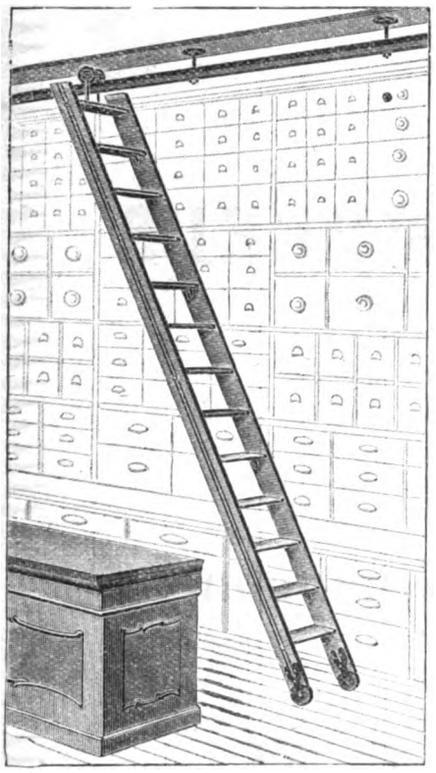
We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

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The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,
50 STATE STREET, CHICAGO, ILL.

E. J. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity

WATCH THIS SPACE

FOR ANNOUNCEMENT OF

Keystone Bicycle Lamp

Made by

GEO. W. NOCK,

PHILADELPHIA.



A...

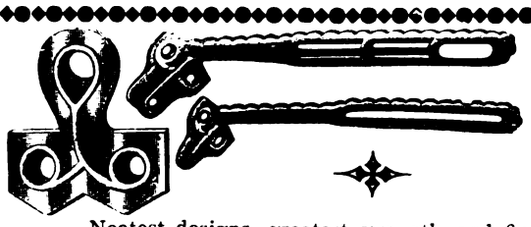
Bicycle

which is built on latest lines and advanced principles. No better made for any price. Sells for . . . . . .

$75 Worth $100.

Send for Catalogue.

QUEEN CITY CYCLE CO.
Buffalo, N. Y.



PAIL EARS and SAUCEPAN HANDLES.

Neatest designs, greatest strength, and finest finish of any made. Large stock of all sizes constantly on hand and all orders filled promptly. By the gross package or in bulk as desired. . . . .

Send for Catalogue.

BERGER BROS.,
PHILADELPHIA, PA.

Pflueger's Snowflake Bicycle Chain Lubricant

Has superior lubricating qualities, is highly perfumed and will not soil hands or clothing. Once tried always used. . . . . .

10c. each or three sticks for 25c.

Mailed on receipt of price.

LIBERAL DISCOUNT TO THE TRADE.

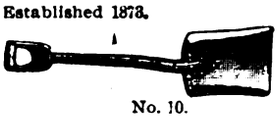
Largest Manufacturers in the U. S. of Fish Baits and Specialties for out-door sport.

(CATALOGUE.)

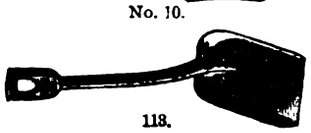


The Enterprise Mfg. Co., Akron, Ohio.

Established 1873.



No. 10.



118.

THE WYOMING SHOVEL WORKS,

MANUFACTURERS OF

Shovels, Spades and Scoops,

In all styles, Smooth Back, Hollow Back and Strap.

Sole manufacturers of the Pettibone Patent Shovels, Scoops and Post Spoons.

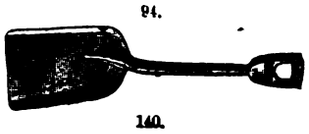
Office, WYOMING, PA. Works.

Catalogues furnished on application.

Incorporated June 29, 1893.



94.



140.

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Our _____ OF WHEELS

WERE selected with the idea of securing those most desirable for the **Hardware Trade** to handle. We seek our best agents among the Hardware Dealers, and that we have selected well is proven by the number of good and desirable agencies already placed. . . . . ✳

Style, Speed and Staunchness

Are a few of the good points embodied in our leader, the

SYRACUSE

A Bicycle that Leads the World for an Easy Seller.

KEEP YOUR EYE ON THE CRIMSON RIMS.

We Have Others Selling at

$100.00--$90.00--$85.00--$75.00--$65.00--$50.00--$40.00

Lots of Towns in the Country

SOME STILL OPEN.

Apply for Agency Now

Supplee Hardware Co.,

PHILADELPHIA, PA.

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Syracuse Bicycles

SPIN TO WIN.

Keep Your Eye on the Crimson Rims.

It always pays to buy the best and doubly so when the best costs no more than one not so good.

$100

THE CRIMSON RIM SYRACUSE WHEEL

is the highest type of standard high grade bicycles. Besides being one of the handsomest and prettiest wheels, it is the lightest and strongest.

There is but one Crimson Rim--
It is the SYRACUSE.

It will pay Hardwaremen to correspond with us.

Chas. J. Stebbins,

103 Reade Street, New York City.

Agent for Southern New York and Northern New Jersey.

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THE

Emblem Cycles

1896 Leaders

ARE BUILT TO RIDE.

Barrel Hubs, Wood Rims, Spokes and Nipples, in any quantity. . . . .

High Grade Wheels at a Medium Price.

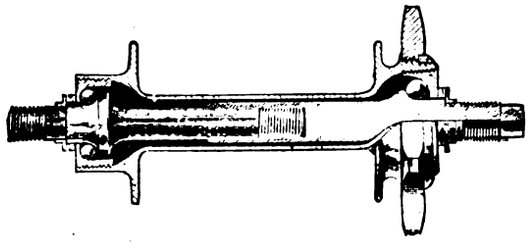
Apply **NOW** for Territory.

Send for Catalogue and Prices.

W. G. Schack,

641 } Main St. • Buffalo, N. Y.
875 }

Truman Bicycles.



This is our Coneless Hub.

CAN YOU BEAT IT FOR SIMPLICITY?

All our Wheels fitted with this Patent Hub.

Apply now for Territory.

Plenty of Material.

Deliveries Guaranteed.

ADDRESS,
(Cable or Mail,)

Truman,

Toledo, O.

THE CLEVELAND CYCLE

The Highest of the High Grade

$100.00

Just a Little Better

DESIGN
CONSTRUCTION
FINISH
STRENGTH
DURABILITY
BEARING
CHAIN
PEDAL
TIRES

Than Any Other Cycle.

BEST SELLING
BEST SATISFYING
BEST TRADE BUILDER
IN THE MARKET.

Address for Prices, Terms and Territory

H. A. Lozier & Co.,

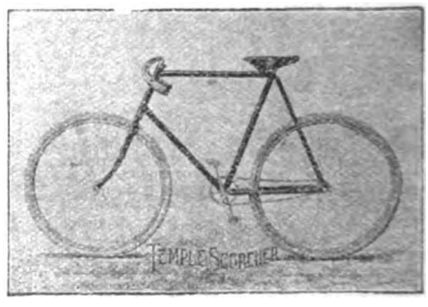
BRANCH HOUSES:
337 Broadway, New York City,
830 Arch Street, Philadelphia, Pa.
304 McAllister Street, San Francisco, Cal.

CLEVELAND, OHIO.

The Most Beautifully Finished Bicycles ON THE MARKET

Is The Verdict of All Who Have Seen Them.

Not Only Beautiful, But . . . Good.



We have them for Gentlemen, Ladies, Boys and Girls at ALL PRICES.

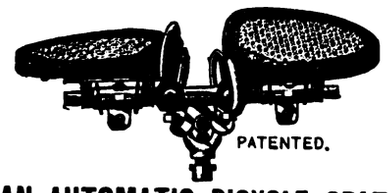
ORDERS PROMPTLY FILLED.

Terms and Discounts on application

Ralph Temple Cycle Co.,

205 35th St., CHICAGO, ILL.

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AN AUTOMATIC BICYCLE SEAT

that tilts in perfect harmony with the motion of the leg. It is in two sections, each independent of the other. It is the only seat that doctors say overcomes the defects and dangers of riding, such as chafing, numbness, and entirely relieves the sensitive parts.

Ask your Hardware dealer to show it, or send for particulars to the

Automatic Cycle Seat Co.,
Grand Rapids, Mich.



ACTUAL SIZE

"TRENTON" CYCLOMETERS ARE THE BEST.

MADE OF ALUMINUM.

Light, Strong, and Accurate. Electrotypes supplied to the trade upon application.

TRENTON WATCH CO., Trenton, N. J.

Factory Production, 2000 per day.



Two-thirds size. TEN Thousand Miles, NOT ONE Thousand. **Price $1.50** The American Cyclometer, plain as A, B, C. Read at a glance; after you read it no guesswork. Does not get out of order if you run it backwards like some others on the market. Not a Dinky Toy with steel parts so small that the dampness will rust the mechanism and eat away the small pivots. Nor built just well enough to last three months, but built well enough to last at least five years. It goes on the right of fork so that you can put your lantern on the left, where they are usually made to go. AMERICAN CLOCK CO., 14-15 Tremont Row, Boston, Mass., U.S.A.

P. S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

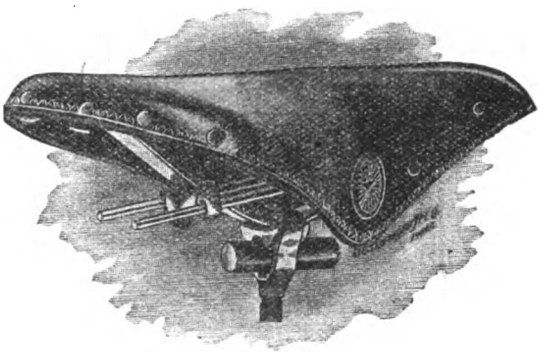
GEORGE W. CHURCH. IMPORTER Tools, Metals, Supplies, JOBBER 109 FULTON ST. NEW YORK. 109

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

NEW Principle



1896 Models

The Zenith Will Not Sag.

Can be made hard or soft in one minute without removing it from the wheel. . . . . .

Light, Strong, Comfortable

STEEL SPECIAL RACING SADDLES

Beautifully Enameled, any color, to suit your wheel.

ZENITH CYCLE SADDLE CO.,

DISSTON BUILDINGS, Front and Laurel Sts. PHILADELPHIA, PA.

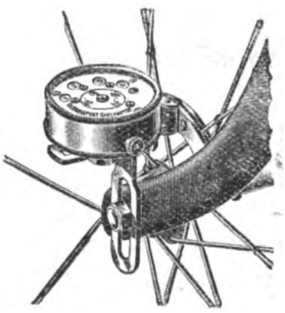
Hunt
BICYCLE SADDLES
WESTBORO. MASS.

Request

Your Manufacturers or Jobbers to deliver your Bicycles fitted with . . . . . .

Hunt Saddles and Tool Bags

If you desire first class goods.



THE 10,000 MILE BRIDGEPORT CYCLOMETER

IS THE ONLY 10,000 MILE CYCLOMETER THAT IS DUST AND WATERPROOF AND CANNOT BE TAMPERED WITH.

We Guarantee Bridgeports to be More Accurate than a Watch

and not susceptible to change of temperature.

Made in three styles, Models "A," "B," and "C." Made for 26, 28 and 30 inch wheels.

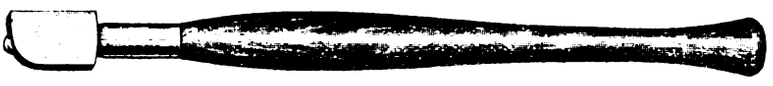
MODEL "C" registers 10,000 miles and repeats; handsomely nickel plated, with celluloid face plate. This instrument is principally adapted for century clubs, long rides, and for riders who do not care to set their cyclometers back to zero.

SOLD BY ALL DEALERS AT A LOW PRICE.

Send for complete catalogue of all sundries manufactured by

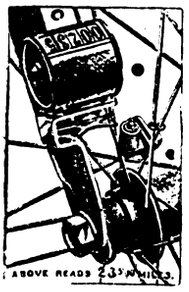
The Bridgeport Gun Implement Co., - 313-315 B'way, New York.

GLASS CUTTERS



We want every hardwareman to know that our specialty is the manufacture of . . . **Rolling Steel Wheel Glass Cutters** and that we can make it worth money to them to handle our goods. Correspondence solicited.

W. L. BARRETT, BRISTOL, CONN., U. S. A.



U. S. Cyclometers for Bicycles, Price, $1.50

U. S. CYCLOMETERS MODEL '96 DETACHABLE ODOMETERS and LAMP BRACKETS

FOR CARRIAGES.

10,000 MILES. WEIGHS 1¼ OUNCES. ONE INCH LONG.

Attaches on Right Side. Repeats or may easily be set. Reads Plainly from Saddle. Made for 20, 22, 24, 26, 27¼, 28, 30 to 46 inch Wheels.

Has an entirely new register action, a train of positive gears, simple and very strong, taking place of pawl system used in '95.

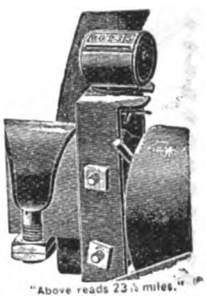
Guarantee Every U. S. Cyclometer guaranteed accurate. Should it get out of order accidentally or otherwise, will be repaired or replaced free of charge. . .

SEND FOR ELECTROTYPES AND PRICES.

Canadian Agents, **Rice, Lewis & Son, Ltd.** TORONTO, ONT.

U. S. Manufacturing Co.,
FOND DU LAC, WIS., U. S. A.

U.S. Odometer for Carriages. Price $2.



Registers 10,000 miles. Made for [illegible] els. Give diameter when ordering

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SINCE the **TINKHAM CARRIER** was first put on the market, several manufacturers in other lines of business have started in to make Carriers, but mostly with indifferent success. The manufacture of Carriers is a distinct and separate business from the manufacture of any other article, and the old saying, that it is impossible to carry water on both shoulders, applies just as much to the Carrier, as to any other business.



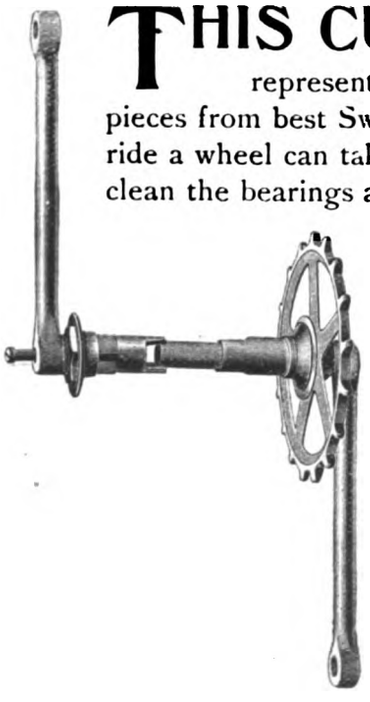
The Tinkam Cycle Co., is the only concern in the world that has a factory entirely devoted to the manufacturing of Carrier Tricycles.

It is impossible to use up old style or defective Bicycle parts, as there is no left-over material on hand that for some reason or another cannot be used in Bicycles.

In investing in a **TINKHAM CARRIER** you do not run any chances whatever. This Carrier has been thoroughly tested and **has not been found wanting.** It is used to-day by some of the largest corporations and firms in the United States and several unsolicited testimonials are part of our daily mail. A handsome catalogue will be mailed to you upon application.

The Tinkham Cycle Co.,

306-310 West 59th Street, NEW YORK.



PATENT PENDING.

THIS CUT

represents our **Telescopic Detachable Crank Shaft,** forged in two pieces from best Sweedish Steel. How do you like it? Any child old enough to ride a wheel can take it apart or put it together. In four minutes you can take it out, clean the bearings and put it together again without disturbing the adjustment of the bearings in the least. The balls cannot fall out, there are no Cotter pins to annoy and vex you, in fact you have no trouble of any kind with this crank. Nothing can be more simple—nothing more durable. Expert wheelmen pronounce it out of sight of any Crank now in use. Please remember you will find this Crank Shaft on every

WHEELER

Price $85.00

The Peer of Any Wheel on Earth.

Do not buy your '96 Mount until you have examined the Wheeler. We want Good Live Agents. It will be worth your time to write us for Catalogue and Discounts

The DEFIANCE BICYCLE CO.,

Defiance, Ohio.

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THE ONLY POSSIBLE CONCLUSION.

Why have **65** of the leading Bicycle Manufacturers of the country ordered

Sager Saddles

when they might have purchased any one of a dozen other makes for less?

Why were **281 Sager Saddles** shown at the Chicago Show, as against 191 of any other make?

Why were **252 Sager Saddles** shown at the New York Show, as against 168 of any other make?

Why do retailers specify Sagers?

Why do riders demand Sagers?

BECAUSE SAGER SADDLES ARE BEST.

SAGER MFG. CO.,

ROCHESTER, N. Y.

MAKERS OF THE MAJORITY OF HIGH GRADE SADDLES.

MAJESTIC

Superb in Design, Faultless in Construction, never out of order.

BICYCLES

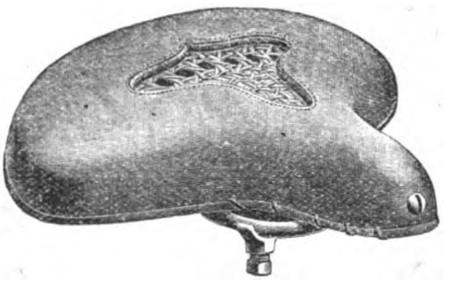
T·E·U·T·O·N·I·C

$40.00 OUR JUVENILE LINE OF BICYCLES **$50.00**

HULBERT **$5.00**

Pneumatic Brake

Attaches and Detaches in a Minute to any wheel. Durable and Effective.



MESINGER

Rattan Saddle

It's the Rattan makes it what it is.

Healthful, Comfortable and Hygienic from a Medical standpoint. Durable

Hulbert Bros. & Co. 26 West 23d Street, NEW YORK.

Mfrs. Fire Arms, Majestic Bicycles, Mesinger Saddles, and Sporting Goods.

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Why Handle '95 Bicycles in '96?

MANY dealers and manufacturers, elated by a successful season in '95, have totally disregarded improvements. Even a casual observer can see that there are but few changes in the new models. An examination of

Remington Bicycles . .

will reveal more practical and exclusive improvements than are embodied in all other makes combined. . . . . .

Progressive agents, who recognize that the public will soon be clamoring for up-to date wheels, are rapidly arranging for Remington agencies in unoccupied territory. Handsomely Illustrated Catalogue, fully describing new models, mailed free.

REMINGTON ARMS COMPANY,

Factories, Ilion, N. Y. 313-315 Broadway, New York City.

BRANCHES:

New York, - Brooklyn, - Boston, - San Francisco.

MONARCH

THE APEX OF BICYCLE PERFECTION.

IN our 1896 Models we have incorporated all the good things known to the best Bicycle Makers, including several features peculiarly our own. They are the crowning glory of our unparalleled success as builders of high-grade wheels—the concentrated extract of bicycle goodness.



WE also make DEFIANCE, the best of lower-priced wheels, especially adapted to the Jobbing Trade. Eight models for adults and children, $75., $60., $50 $40. Fully guaranteed.

Four Models,

$80 and $100

Agents Wanted.

Write for Terms.

Monarch Cycle Mfg. Co.

83 Reade St., New York. Lake, Halsted and Fulton Sts., Chicago, Ill.

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Wynnewood BICYCLES

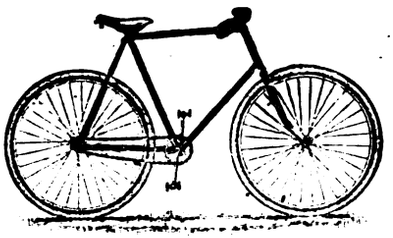
Cannot be beaten for the money.

Model R	$100.
" M	$75.
" L	$75.
" Z	$65.
" B	$60.
" C	$60.
" X	$60.
" Y	$55.
" D	$50.
" F	$40.

Good Agents Wanted.
Catalogue now ready.

A. M. SCHEFFEY & CO.,
92 Reade St., New York.

MEDIUM GRADE
AND
HIGHEST GRADE.



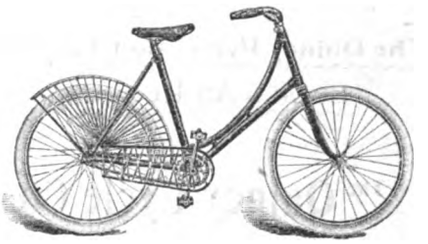
1896

Rochester Bicycles

Are a revelation to lovers of the Silent Steed. . . . . .

Rochester Cycle Mfg. Co.,
ROCHESTER, N. Y.

PRICES
$75 AND $100



A GOOD HORSE
WITH POOR FEET,
NO HORSE.

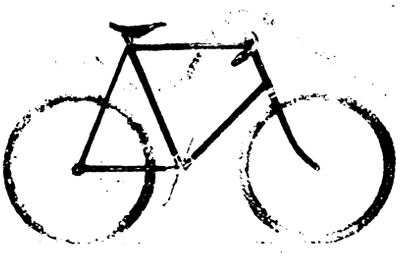
A GOOD BICYCLE
WITH POOR TIRES,
NO BICYCLE.

Our Tires Are All Right.

WE MAKE

Single Tube, Double Tube and Detachable Tires.

SPAULDING & PEPPER CO.,
Chicopee Falls, Mass.



FENTONS

Have distinctive features and marked improvements above any bicycle upon the market.

The Highest Attainment in Cycle Construction.

N. B.—Fenton Wheels have Blue Crowns.

FENTON METALLIC MFG. CO.,
JAMESTOWN, N. Y.

CYCLE CHAINS

If you Want the **BEST** Place Your Order With the

Indianapolis Chain & Stamping Co.,
INDIANAPOLIS, IND.

Roger B. McMullen & Co., General U. S. Sales Agents. 130 Lake St., Chicago, and 309 Broadway, New York City. John S. Leng's Sons' Co., 4 Fletcher St., New York City, N. Y. Depot. Elastic Tip Co., 370 Atlantic Ave., Boston, New England Depot. Western Rubber Co., 14 Fremont St., San Francisco, Pacific Coast Depot.

Camp's SUCCESS ANIMAL POKE



The only Poke that successfully prevents animals from jumping fences and CURES the habit. Ask your hardware jobber for them or write R. W. Montross, Sole Mfr, Galien, Mich.

THE EXCELSIOR CARPET STRETCHER



and TACK HAMMER. Can be used by anyone. None better. Simple, Effective, Strong, and Compact. Inquire of the Hardware Trade generally, or write R. W. MONTROSS, Mfr., Galien, Mich.

SICKELS, SWEET & LYON,

Office, 35 Barclay St., Warehouse, 40 Park Place, New York.

NEW YORK AGENTS FOR . . . . . .

Withington & Cooley Mfg. Co. Farming Tools,

RELAY • BICYCLES.

Cortland Door and Window Screens, Eagle Files, Union Steel Screw Co. Wood Screws. . .

Spring Catalogue, No. 11, issued about February 10th.

SICKELS, PRESTON & NUTTING CO. Davenport, Iowa.

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Once Tried
Always Ridden.

The Quincy

THE only wheel on the market that is guaranteed for **more** than one year. It has Tool Steel Bearings, Adjustable Bars, Swell Forks, Double Bridge Crown. Large Tubing, Horizontal Lines and Handsome Finish.

The Quincy Perfection Tandem Breaks All Records.

Send for Hardware discounts.

The Quincy Cycle Co.
QUINCY. MASS

THE WHEEL THAT DON'T BREAK.
Price, $75.00.



The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

The Bicycle

Makes a Good Line, and

The Liberty

Makes a Good **BICYCLE**

HARDWARE DEALERS cannot afford to handle a wheel without a reputation; . . . . . *The Liberty* is

America's Representative Bicycle,

and its reputation extends from zone to zone.

Agencies placed in Unoccupied Territory.

The LIBERTY CYCLE CO.,
4 WARREN ST., NEW YORK.

WE INVITE CORRESPONDENCE

with the Hardware Trade, regarding agencies for the

SHERMAN

A strictly **HIGH CLASS,** perfectly finished Wheel,

. . . . Listed at $75.00.

The Sherman Cycle Co.,

133-139 So. Clinton St., Chicago.



The "ZENITH"

has the following points of excellence tool-steel bearings, absolutely dust proof barrel hubs, easily detached cranks, large tubing, reversible handlebar, narrow tread.

Write for Catalogue.
Agents wanted.

Zenith Cycle Co. Manufacturers.
Binghamton, N. Y.

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Your Business is Incomplete



If you have not added to it a line of high grade and reliable bicycles. True as this is, it is fully as true that nothing will so jeopardize your business and reputation as a line of unreliable wheels, whose only virtue may be cheapness. . . .

GOLD CRANK **FALCON** BICYCLES

Are well and favorably known from Maine to Texas. A **FALCON** agency contract is as good as greenbacks. . . .

Write for Catalogue and Discounts

The Yost Mfg. Co.,

Yost Station. TOLEDO, OHIO.

Experienced AND Progressive Dealers

are looking for a wheel for the **present and future.** Not a bicycle of the **past.** Because a wheel was popular when riders were satisfied with a **forty pound roadster** it does not follow that it is up to the mark **to-day.**

The DAYTON

Is a Modern Wheel,

right in line with the ideas and demands of **up-to-date dealers** and riders, one which attracts attention, favorable comment and **trade** wherever shown.

REMEMBER! 1 1-4 inch tubing not swaged.

The Davis Sewing Machine Co.,

Dayton, Ohio.

338-340 Wabash Ave., CHICAGO. 76 Reade St., NEW YORK. 159 Tremont St., BOSTON.

AGENTS WANTED IN TERRITORY NOT ALREADY CONTRACTED.

Mention "HARDWARE."

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1896

Lovell Diamond Bicycles.

STRICTLY HIGH GRADE.

$100.

Lovell Excel Bicycles,

MEDIUM PRICE.

$40 to $75.

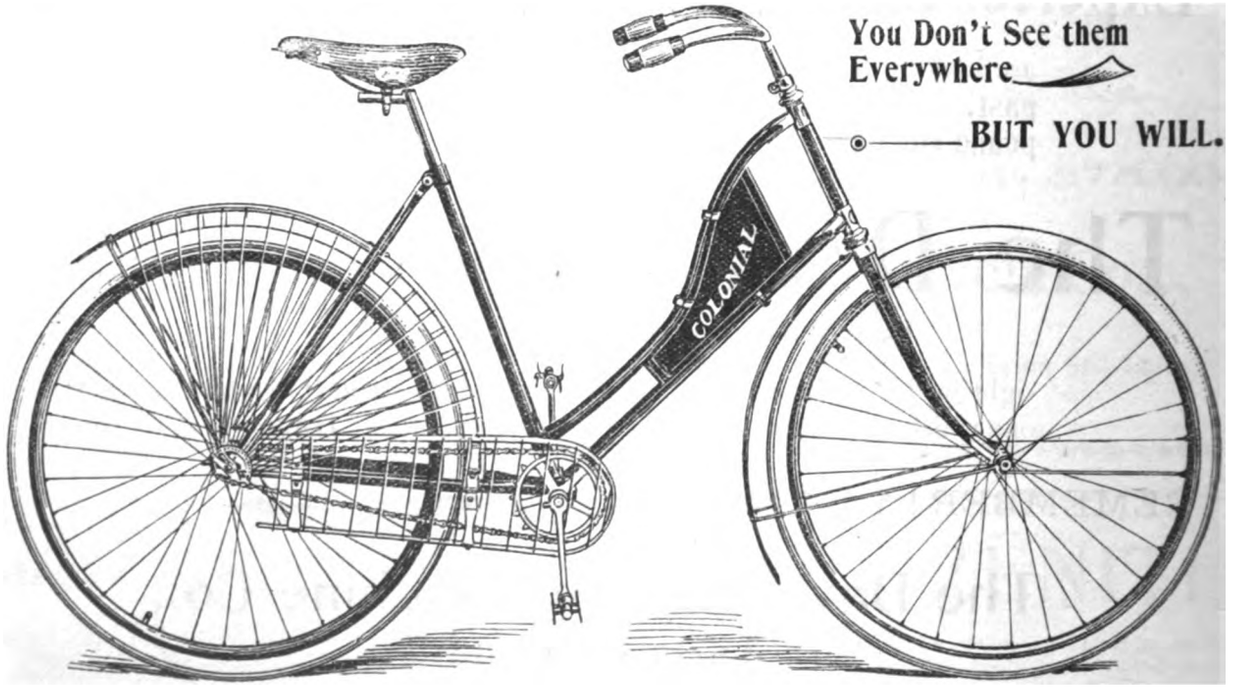
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BOSTON. MASS.

The Colonial

Recognized as the SOCIETY WHEEL

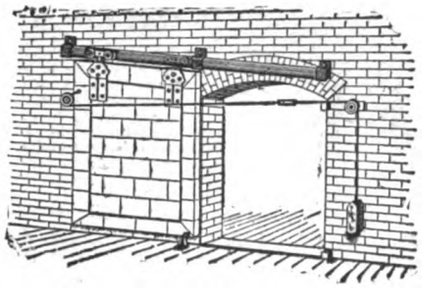


JOHN McCLAVE & SONS, MAKERS,

602-604-606 W. 22d ST., New York City.

Salesroom, 371 Fifth Avenue, Southeast corner of 35th Street.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

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We make four styles of ROLLING LADDERS to reach shelving of any height.



McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

Steel Felloe Plates and Steel Barn Door Track.

NONE BETTER.

Write for new Catalogue and Discounts.

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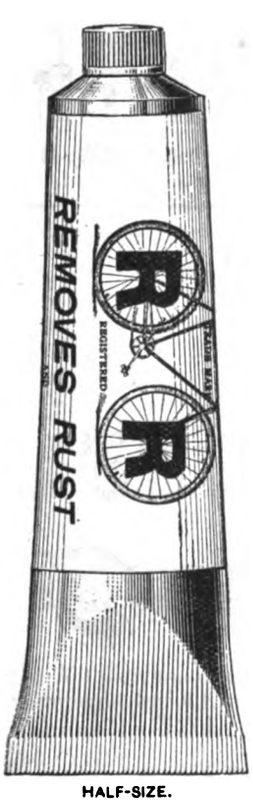
NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c.

Sheet Metal Punching and Nickel-Plating.





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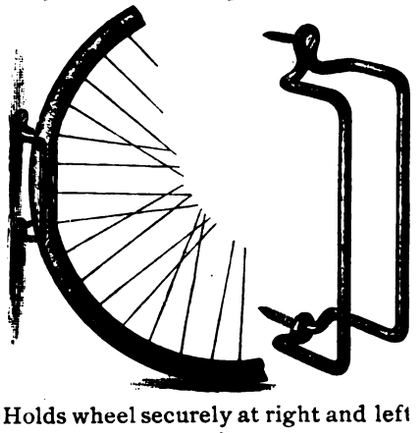


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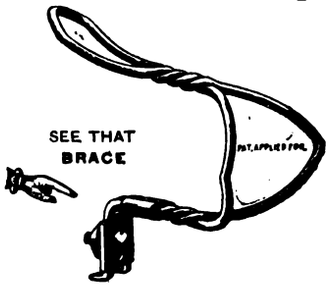
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Adjustable Bicycle Holder.



Holds wheel securely at right and left angles and straight.

Perfect Toe-Clip.



Manufactured by G. W. COLE & CO.

JOHN H. GRAHAM & CO., General Agents,

113 Chambers St., - - New York.

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The BEST FREEZERS Made

Have Electric-Welded Wire Hoop Pails, made of Best Virginia White Cedar and Drawn Steel Bottom Cans. . . . . .





Sold by Leading Jobbers.



Have You Seen the Drawn-Steel Bottom Can ?

Stronger, Last Longer, Handsomer.

Equalled by None

In Perfection of Design and Construction and Practical Results in use. . . .

Manufactured Exclusively by . . .

North Bros. Mfg. Co.,

PHILADELPHIA, PA.



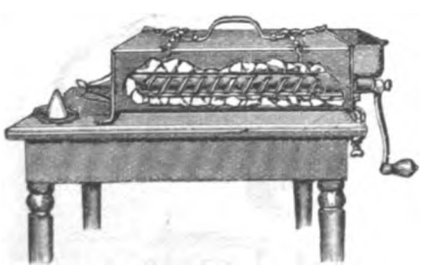
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Polar Star Instant Ice Cream Freezer.



A Marvel to all who behold it in operation.

Size, 21x7x7. **Retail Price $3.75.** Capacity unlimited

It makes perfectly smooth ice cream with all milk. Cream added makes it somewhat richer, but not smoother. It makes very superior, smooth water ices, frozen fruits, frozen custards, sherbets, etc., and is a very simple, convenient and economical freezer.

No Gearing, cogs or fixings to get out of order.

Noiseless in operation. A child can operate it. Makes a plate of ice cream in 30 seconds or a quart in 5 minutes. All other quick freezers merely SCRAPE it off a tin surface of some kind, but do not BEAT IT or WORK IT.

Our Freezer **Mixes, Mashes, Pulls, Grinds** and **Whips** the cream more in **30 seconds** than any paddle freezer does in **30 minutes.** Dealers will do well to investigate this promptly. Correspondence solicited.

Manufactured solely by **Polar Star Freezer Co.,**

Send for particulars and discount. 235 LEVANT ST., PHILADELPHIA, PA.



THE CHAMPION SIDE SASH LOCK

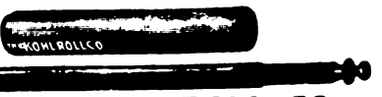
Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

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Write Us for Prices.



THE KOHL ROLL CO.,

Roll Repairs all Wringers Easy to put in every Wringer.

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Just what you are looking for.

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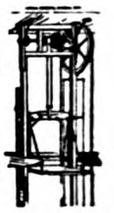
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Price Lists sent on application.

Improved Quick and Easy Rising Steam, Electric and Hand Power

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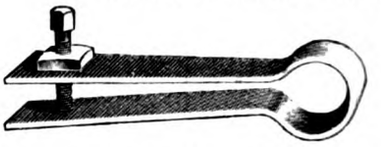
Send for Circulars.

Kimball Bros. Council Bluffs, Ia.

No. 1013 Ninth Street.

Hardware Dealers Find the STILES ANTI-RATTLER

the best seller on the market.



Everybody is buying them, and it will pay to carry a small stock. Liberal discounts to the trade. Address . . .

The American Tool Works,

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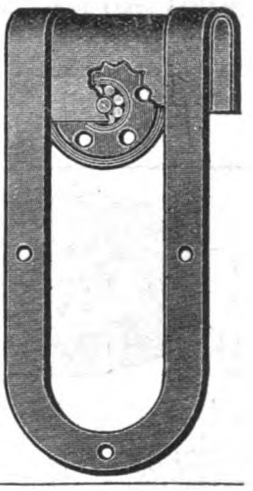
CRONK'S ROLLER BEARING BARN DOOR HANGER.

THIS HANGER is made haavy, and as shown by cut, has roller bearing, same as high-priced tackle blocks; will run a door any distance, and we guarantee them to last a lifetime.

We have tested the rollers for one year with a weight of 3,000 pounds, running ten hours per day at 60 revolutions per minute without showing any wear.

No. 4 for 5 to 10 ft. doors $18.00 } dis.
No. 5 for 10 to 20 ft. doors 26.00 }
Packed 1 doz. pair in a case.

CRONK HANGER CO.,
ELMIRA, N. Y.





House... ...Goods Supplies.

ESTABLISHED 1867
Hartrick & Carter Co.
Electrical Supplies
125 South 2d St. Philadelphia
Catalogues on Application
Send business card and mention "Hardware."

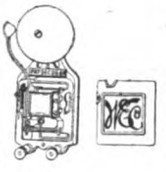
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PUSH BUTTONS

Round Wood	- - -	$5.00 per 100
" Bronze	- -	11.00 per 100
Oblong "	2 x 4 -	23.00 per 100
	2½ x 5	3.35 per doz.

WATCH THIS SPACE.

J. JONES & SON,
Wholesalers and Manufacturers of
Electric Supplies,
67 Cortlandt St. NEW YORK.



Always Rings
Always Did Ring
Always Will Ring

THE "1020" BELL

Western Electric Co.
New York. - Chicago.



Our 1896 Catalogue

Will be Interesting. Full of Good Things . . . . . .

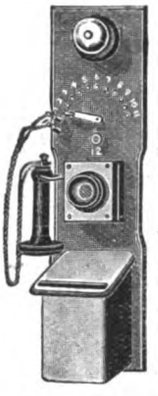
ELECTRICAL.

Send us your name.

Stanley & Patterson,
General Electrical Equipment Supplies,
32 and 34 Frankfort St.,
NEW YORK.

TELEPHONES

For Your . . .
Factories,
Stores,
Offices
and
Exchanges.



We make the BEST

Send for Our Catalogue.

The Union Electric Co.,
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The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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621 Broadway, cor. Houston St.
753 Fifth Ave., cor. 58th St.
Mercantile Ex. Bldg., cor. Hudson & Harrison.

Bankers AND Brokers,
Mills Building, New York.

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Manufacturers of MEASURING TAPES, Etc.,

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The Home Steel Tape is intended to supersede woven tapes (metallic or linen) by reason of its incomparably greater accuracy and its very low price. The Home Tape has a red bent sewed leather case, with brass-lined mouth piece, with anti-friction roller. The foluing brass handle is practically flush. The steel line is ¼ inch wide, and sharply and plainly graduated. The graduations and figures are bright, while the ground surface is nearly black. It is to all appearances a First-Class Steel Tape, but it is not to be compared with our well-known Excelsior steel tapes. Woven tapes are used on account of their very low cost for many purposes for which a more reliable tape ought to be employed, like in the building trades, construction and railroad work, etc. The low priced Home Steel Tape will therefore be welcomed as meeting a frequent requirement.

HOME STEEL TAPES.—Feet divided to inches and 1-8 inches:

25 feet.—No. 80, $34.80 doz. 75 feet.—No. 83, $56 40 doz.
50 feet.—No. 81, $42.00 doz. 100 feet.—No 83, $72.00 doz.

We can furnish these tapes also with feet divided to 1-10 and 1-100.

Liberal Discounts to the Trade.

Every Machine Guaranteed to Give Satisfaction.



The BOSS and ELI...
WASHERS.

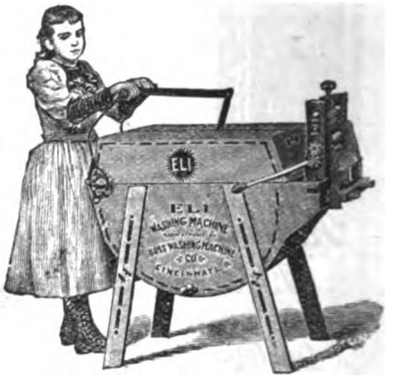
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Write for prices and terms. MENTION THIS PAPER.

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214-216 West Pearl St., Cincinnati, O.



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The Remington Match Rifle. Crack Shots all use it. Made for the following cartridges: .25-.20, .32-.40, .38-.40, .38-.50 and .40-65 Remington, and .38-.55 Marlin and Ballard. Made to order only.



Remington Bicycles are everywhere.

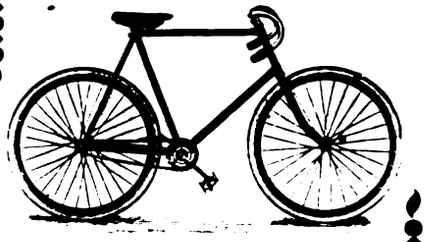
Price, $45.00 and upward. For Nitro powders. Made with or without Automatic Shell Ejector. Send for Catalogue.

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TRIBUNE BICYCLES.

The Best in The World.



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THE BLACK MFG. CO.,
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Patent Perfection Padlock.



EIGHT TUMBLERS ◉ KEY TURNING BOTH WAYS.

Sizes, ¾ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅝ inch Padlocks, in brass and nickel, for cats and small dogs, and combined with 4 inch chain to make the Perfection Key-holder. The 1 inch Bicycle lock with 15 or 31 inch chain has no equal. The best Railroad and Car Lock in the world. Adopted by the United States Treasury and bonded warehouses.

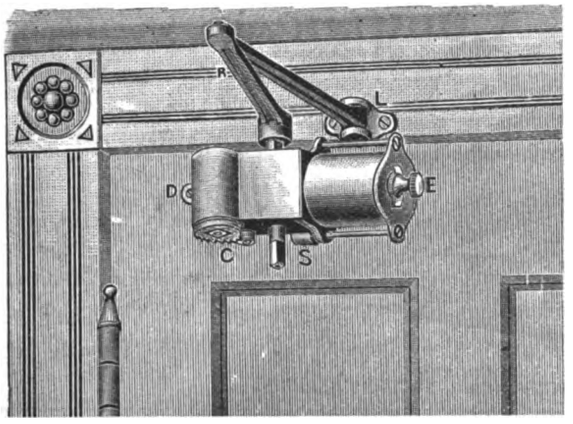
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AMES SWORD CO.,
CHICOPEE, MASS.

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PATENTED SEPT. 11, 1894.

The New Royal Door Check & Spring

Excels All Others.

PRICE LIST:

	Each.
No. 1. Light Screen Doors,	$2.40.
No. 2. Small Inside Doors,	3.80.
No. 3. Large Inside Doors,	4.80.
No. 4. Ordinary Store Doors,	5.60.
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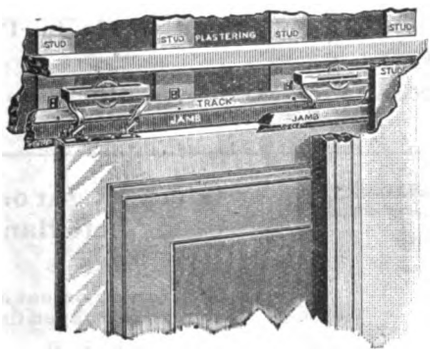
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The **ROYAL** has a Compressed Air Check.

For Sale by All Leading Jobbers.

W. H. QUINN & CO.,
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Stearn's Steel Parlor Door Hanger



IS the result of a twenty-year search for a perfect hanger. The Stearn's Hanger is of the single track, anti-friction type; principal parts of steel; perfect alignment; noiseless; each hanger independently adjustable; arranged in one-third the time required by others.

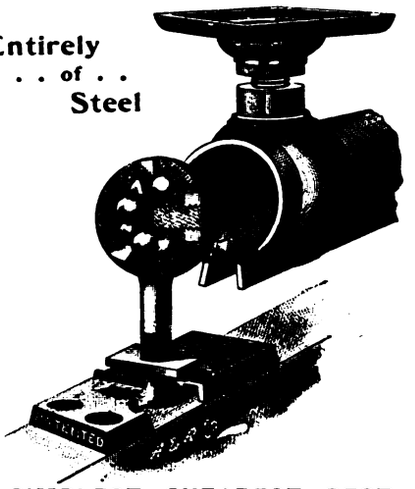
"The threaded hole in the hanger is countersunk so as to insure an easy entrance of the adjusting screw."

E. C. Stearns & Co.,

Send for Circular and Price-List. Syracuse, N. Y.

McCabe Ball Bearing DOOR HANGER

Entirely . . of . . Steel



SIMPLEST, CHEAPEST, BEST.

Adjustments above and below the track without removing the door.

After trying this you will use no other.

Send for catalogue or order a set at once and see why it is without an equal.

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No 535 West 22d St., - - - - NEW YORK

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.



If you want to live



A long life free from accidents . . . .

You will buy the

Patent Bent Rung Ladder

They are the

Strongest and Lightest Ladder on Earth.

A six-foot single step ladder will carry 700 pounds, and a double step ladder 1,000 pounds. A boy can take down and put up a sixteen-foot extension ladder. A man can hold an eighteen-foot ladder out at arm's length in one hand. Our step ladders will not come apart or break. They are made to last forever.

Write for prices and discounts.

Indiana Ladder Company,
INDIANA, PA.

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Manufacturers of
Razors,
Razor Strops,
Safety Razors.

Factories:
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Made of a
...Superior Steel
and
Temper
Fully Warranted.

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..64
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Made in America by Americans for Americans.

NORTHAMPTON CUTLERY COMPANY,

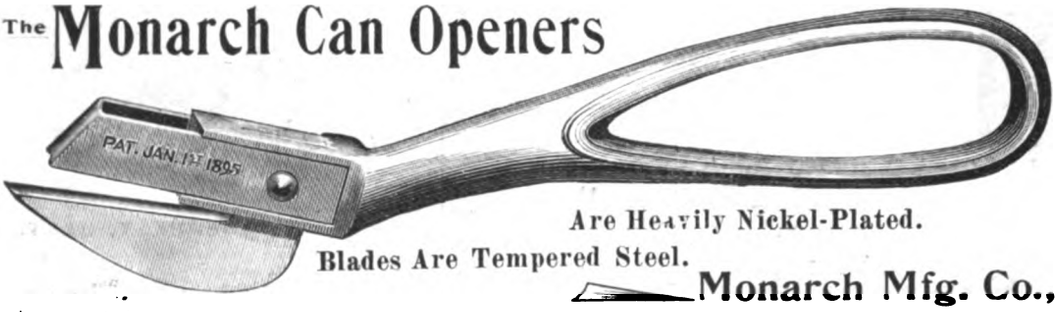


Manufacturers of Most Complete Line of Table Cutlery Butcher, Carvers, and Plated Goods in Pearl Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom.
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The Monarch Can Openers



Are Heavily Nickel-Plated.
Blades Are Tempered Steel.

Works Right or Left Handed

Cuts top off or out of any Size or Shaped Can.

Send for Sample and Prices or Quantity Wanted.

Monarch Mfg. Co., Meriden, Conn.

CORPORATE MARK,

JOSEPH·RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

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Established 1836.

ALFRED FIELD & CO.,

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HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

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JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD
PEUGEOT FRERES,	HORSE AND TOILET CLIPPERS.
COATES CLIPPER MFG. CO.,	
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L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
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The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

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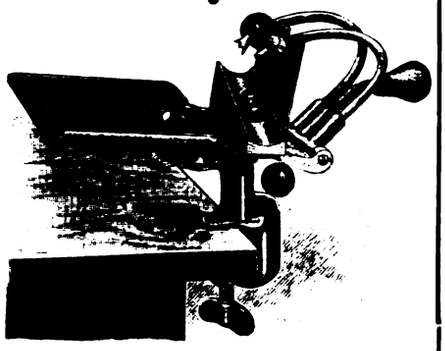
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312 Dorchester Ave.,

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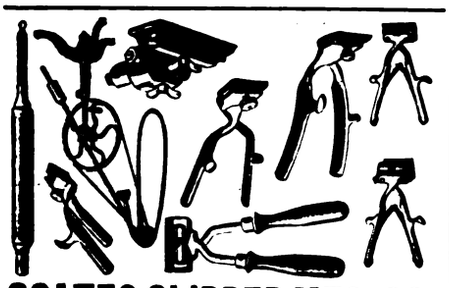
The Family Cherry Stoner.



The only **Cherry Stoner** which removes the Stones from Ripe Cherries and leaves the fruit plump and round as it was before stoning. . . . . .

Sold by
Wholesale Hardware Dealers Everywhere.

Manufactured by
Goodell Company,
Antrim, N. H.



COATES CLIPPER MFG. CO.,
Worcester, Mass., U. S. A.
MAKERS OF
Hair Clippers
ALL KINDS UNDER THE
COATES PATENTS.
Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

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contributes to success, without faith you will be blind to good results.
Advertise in
HARDWARE.

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Manufacturers of **CUTLERY,**

We make about everything in the Knife line (pockets excepted) carried by the ordinary retail dealer.



In quality, finish, construction and general appearance our goods are second to none. Catalogue furnished any dealer applying for it.

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of trimmings for
Window Screens
and Screen Doors.
Send for Catalogue.

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FACTORIES, Reading, Pa.

Reading . . .
Hardware . .
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CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.
"STAMPED WITH THE BUCK'S HEAD."
THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

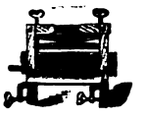
BUCK CAST BROS. STEEL
BUCK BROTHERS



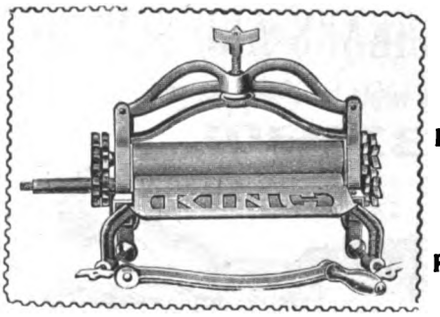
TRADE MARK

BUCK'S HEAD.

WOOD AND IRON FRAME WRINGERS.



HIGH
GRADE,
WARRANTED.





Before placing
FALL ORDERS
write us for our
PRICES and TERMS.

NATIONAL WRINGER & MFG. CO., Canton, Ohio.

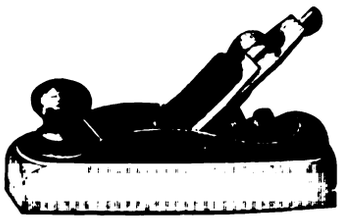
LAMSON & GOODNOW MFG. CO.,



Manufacturers of Fine Cutlery, Butcher, Druggists' and Painters' Knives, Celebrated Anchor Brand Carvers, etc.

FACTORY AND OFFICE, Shelburne Falls, Mass. **NEW YORK, 310 Broadway.** **SAN FRANCISCO, 132 Market Street.**

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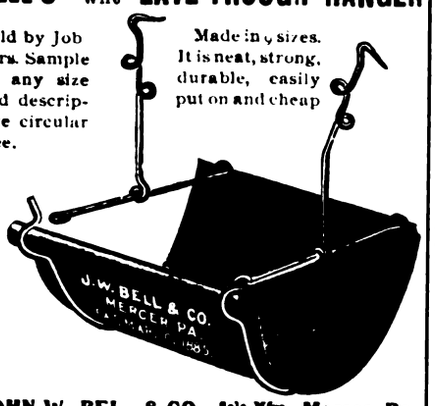
THE
BEST BAILEY PLANES
ARE MANUFACTURED BY
The Samuel I. Goodall Company,
PHILADELPHIA, PA., U. S. A.



BELL'S Galv'ed Wire EAVE TROUGH HANGER

Sold by Job bers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap



JOHN W. BELL & CO., Sole Mfr., Mercer, Pa.

A Mistaken Notion.

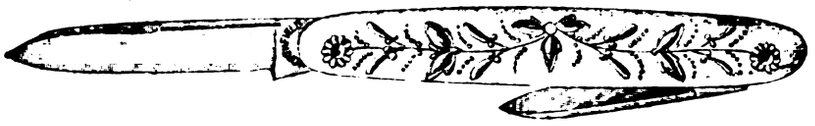
It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

The Advent of Spring

Brings an increased demand for **CUTLERY.** Prepare to supply that demand by placing your orders now for the . . . . .

TRADE
NORTHFIELD UN-X-LD POCKET KNIVES.
MARK.

They are always reliable, will please your customers, and increase your trade.



N. B.—Write us and we will help you about it. . . . . .

Northfield Knife Co.
NORTHFIELD, CONN.

ESTABLISHED, 1835. INCORPORATED, 1888.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

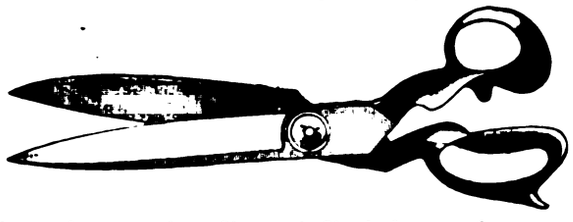
CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

NO REDUCTION IN QUALITY.

No others take their place.

G. W. BRADLEY'S

Turpentine Tools, Bush Hooks,

Drawing Knives, &c.

Underhill, Clinch & Co.,

SOLE AGENTS

94 Chambers St. - - - NEW YORK.

The Staff of Business.

BREAD IS THE STAFF OF HUMAN LIFE AND ADVERTISING IS THE STAFF OF BUSINESS.

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Mr. Hardware Dealer:

Are you handling any **SILVER PLATED WARE?** Now, between you and ourselves, isn't there a corner in your store where you could make just enough of a showing of this line to be attractive, and to let people know that you have such wares in stock? And of course, the object of it all is **There's money in it**—for you and for us.

Now for all that is good and genuine in **SILVER PLATED WARE,** we respectfully present to your notice, the reliable, the tried and true. This brand:

TRADE ROGERS TRADE

Just drop us a card TO-DAY for Catalogue

Wm. Rogers Mfg. Co.

Office and Showrooms, HARTFORD, CONN.

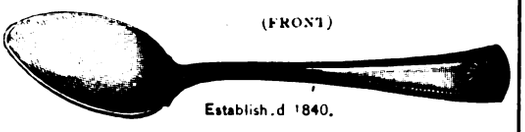
FACTORIES, Hartford, Conn. Norwich, Conn. Taunton, Mass.

Highest Grade of

Silver Plated Ware

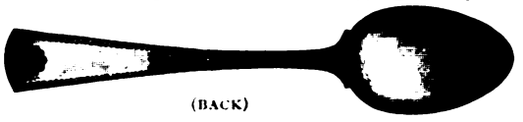
In Spoons, Forks, Etc.

Manufactured by



Establish.d 1840.

L. BOARDMAN & SON, East Haddam, Conn.



Also Nickel Silver Flat Table Ware and Britannia Spoons.

Write for Cata'ogue and Prices.

HOLMES & EDWARDS

Invite you to visit their

New York Salesroom, 2 Maiden Lane



A convenience to Merchants in the vicinity of New York.

Anything in Silver or Solid Metal Spoon line may be had.

Mexican Silver. Aztec Coin Metal. Gold Aluminum.

THE HOLMES & EDWARDS SILVER CO., BRIDGEPORT, CONN.

NEW YORK. CHICAGO. ST. LOUIS. SAN FRANCISCO

Write your jobber for quotations on these goods. They are a ready seller. If he has not the goods send me his name and we will send him quotations and sample box.



...ALSO.....

COPPER, IRON AND TINNERS'

Rivets

AND

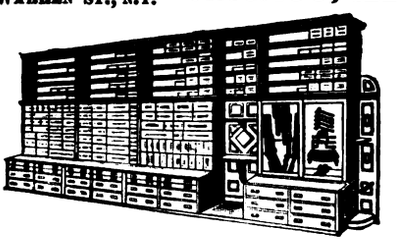
Light Metal Work

TO ORDER

WILLIAM N. MERRIAM 103 BEDFORD STREET BOSTON, MASS.

J. Q. Warren Mfg. Co.

EASTERN OFFICE: 10 WARREN ST., N.Y. **CHICAGO, ILL.**



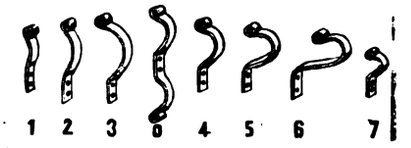






MANUFACTURERS OF

Warren's Patent
Portable Hardware Shelving
Glass Front Hardware Drawers
Table Cutlery Cabinets
Catalogue Cases
Office Desks
Fixtures and Shelving
Hardware Sample Holders
Automatic Rope Holders
Axe and Handle Stands
Nail Bin Fillers, Etc.



Order What You Want of SAMPLE HOLDERS

Sent on Approval. . . .

Assorted ¼-gross Boxes, $6.00 Gross, net.

Write for Circular of our Screw Case.

LIVE HARDWARE MEN USE
PERFECT SHELF BOXES.
WE MAKE
PERFECT SHELF BOXES.
WRITE FOR CATALOGUE AND PRICES.
C.P. MOORE,
RAVENSWOOD, W. VA.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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THE GENUINE

PHILADELPHIA

LAWN MOWERS

ARE

GOOD machines.

BETTER than others.

BEST known.

WHY?

BECAUSE WE MAKE THEM

SO.

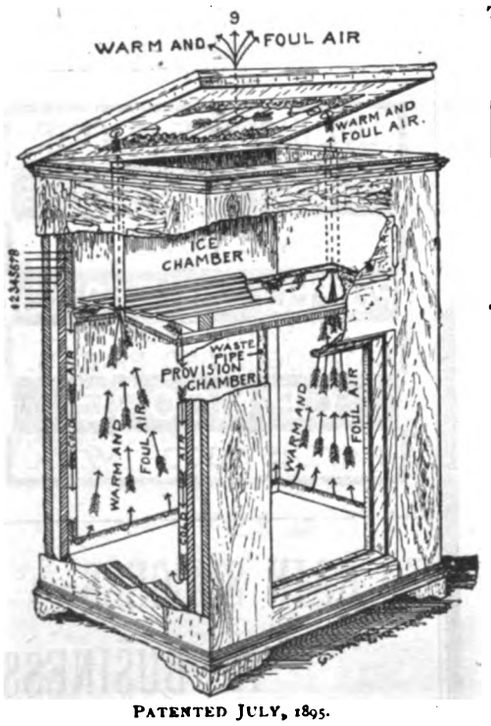
SEND FOR CATALOGUE.

The

PHILADELPHIA LAWN MOWER CO.

3107 & 3109 Chestnut St.,

PHILADELPHIA, PENNA.



This is a sectional view showing mode of operation of

READ'S ODORLESS REFRIGERATOR

TRADE MARK.

PATENTED JULY, 1895.

Odors Don't Mingle!

One dish won't taste of another. Warm air and odors are forced up and out; not back over the ice, as in all others.

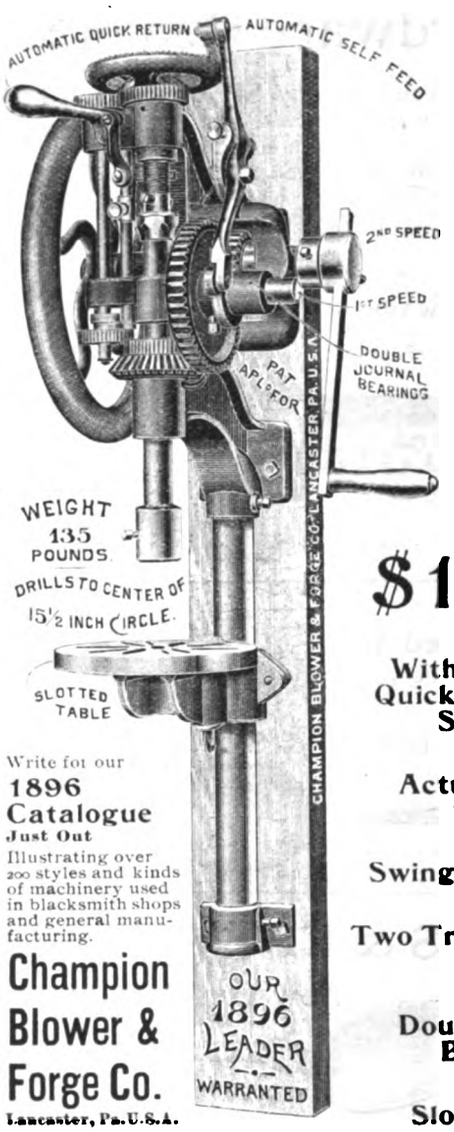
A Great Ice Saver, too!

Needs no scalding out to sweeten, like all others. **The Best Made!** HARDWOOD. Send for Catalogue and Testimonials.

The Keyser Mfg. Co.,

SOLE MANUFACTURERS,

CHATTANOOGA TENN., U. S. A.



Write for our **1896 Catalogue** Just Out

Illustrating over 200 styles and kinds of machinery used in blacksmith shops and general manufacturing.

Champion Blower & Forge Co.

Lancaster, Pa. U.S.A.

The **CHAMPION** 1896 Quick Return Blacksmith **Self-feed Post Drill,**

$11.50

With Automatic Quick Return and Self-Feed.

Actual Weight, 135 lbs.

Swings 15½ inches.

Two True and Honest Speeds.

Double Journal Bearings.

Slotted Table.

What have you to Exchange?

Or will sell at a special bargain, a 36-inch Curtis & Marble, Worcester, Mass., **HAIR PICKER.** Best machine for this purpose in the market. Picks and renovates free from impurities, about three tons of hair per day. Machine has had but little use, hence is as good as new. An extra Cylinder, Counter-Shafts, Belting and Fan will go with same.

Also have a

10-Horse Power Upright Junior Westinghouse ENGINE.

Address

The ENTERPRISE MFG. CO.,

AKRON, OHIO.

THE

Norton Door Check & Spring

THOUSANDS IN USE.

WRITE FOR PRICES.



Attached Either Side of Right or Left Hand Door

Address

The Norton Door Check & Spring Co.,

CHAS. S. PENHALLOW, Treas.,

505 Sears Building, - - Boston, Mass.

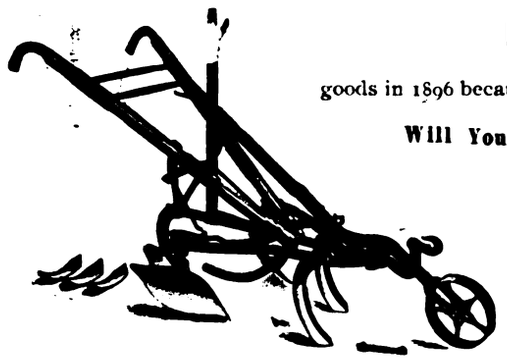
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Would IT INTEREST You?

Well, we think so, for our 1896 Catalogue describes our full line of . . . . . **Planet Jr.**

Seed Drills, Wheel Hoes, Harrows and Cultivators,

including several entirely **NEW** machines.



DEALERS will sell

PLANET JR.

goods in 1896 because it . . . . . **PAYS.**

Will You be One of Them?

S L. Allen & Co.

MANUFACTURERS,

Philadelphia, - - - Pa.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

LARGEST STOCK ON HAND IN NEW YORK CITY OF

O. Ames & Sons' Shovels, Spades and Scoops.
Geneva Tool Co.'s Hoes and Rakes.
Sheble & Klemm's Forks.
D. Wadsworth & Son's Scythes.
Clinton Wire Cloth Co.'s Cloth and Netting
And like goods.

Rhode Island Perkins Horse Shoe Co., Manufacturers of
HORSE AND MULE SHOES OF THE PERKINS PATTERN

Specialties—X. L. Steel Shoes, Toe and Side Weigh Shoes and Goodenough Shoes.

Works, at Valley Falls, R. I. Office, 112 Industrial Trust Building, Providence, R. I.

F. W. Carpenter, Pres. C. H. Perkins, Gen'l Manager. R. W. Comstock, Secy. Chas. R. Stark, Treas.

Do You Want Something Made?

My Specialty is to Manufacture for Other Parties.

Reasonable arrangements can be made. WRITE ME TO-DAY.

C. H. Angus, . Albany, N. Y.

Mfr. of Castings; Nickel and Brass Plating, Metal Pattern Maker, etc.

COLDWELL'S IMPERIAL

HAND AND HORSE LAWN MOWERS.

LAWN REQUISITES OF ALL KINDS.

Send for Catalogue

COLDWELL LAWN MOWER CO.
NEWBURGH, N.Y.



We Want Some Live Merchant in every town to handle our

Family Shoe and Harness Repairing Outfits.

They sell on sight!
Every family wants one.
Are you the one we are looking for?
Here's your opportunity!
A Good Thing!
Don't Miss It!

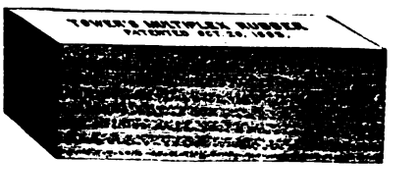
BRANDENBURG & CO., Sole Proprietors.
Chicago, St. Louis, Kansas City, Omaha, Sioux City.

Write for Particulars.

A Perfect Rubber Eraser

THAT WILL NOT SMOOCH.

Indispensable to Architects, Draughtsmen, Book-keepers; in fact to all persons requiring the use of a Perfect Pencil-Mark Eraser. . . . . .



Tower's Multiplex Rubber Eraser

Has been pronounced the best, and is now demanded by, and provided for the Accountants and Draughtsmen of the City of Boston, the Commonwealth of Massachusetts, and in all large and thoroughly equipped offices. The peculiar construction of these ERASERS makes it impossible for them to harden with constant use. . . . .

J. D. JOHNSTON,

69-79 Mill St., - NEWPORT, R. I.

Agents Wanted in This and All Foreign Countries.

CANTON GARDEN PLOW



SEND 15 CENTS FOR ONE OF OUR Miniature Gold PLOWS For Scarf Pin or Watch Charm

RETAILS FOR $5.00

WEIGHT 20 POUNDS.

THOUSANDS ARE IN USE

Pronounced as one of the best Garden Plows ever offered. Three Shovels and Rake attachment, Steel Wheels, Adjustable Frame. This cut illustrates the plow. We will ship you one

AT $3.75. A SURE SELLER.

Send for catalogue and circulars of Plows, Cultivators, Corn Planters, Harrows, Etc.

PARLIN & ORENDORFF CO. Mfrs. of Agricultural Implements,

CANTON, ILLINOIS.

Branch Houses-Kansas City, Omaha, St. Louis, Dubuque, Minneapolis, Des Moines, Dallas, Decatur, Ill.

LARGEST AND OLDEST PERMANENTLY-ESTABLISHED PLOW FACTORY IN AMERICA.

Dumb Waiters..... that don't keep you waiting.

Simple; smooth-running; noiseless. All sizes, capacities and styles. Hardware dealers can sell them.

THE STORM MFG. CO.,
Send for catalogue. NEWARK, N. J.

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Beauty • Originality • Cleanliness

PROFIT AND NO TROUBLE

THE

MONARCH

NEW METHOD



TAKES THE CAKE.

These Dealers Lead the Procession.

Elegant New Catalogue for '96--Yours for the Asking.

The Monarch Stove Co.

• • • MANSFIELD, OHIO.

The Danville Stove & Mfg. Co.,
• Danville, Pa. and New York.
AGENTS FOR EASTERN STATES.

SCANLAN & CO.,
• LOUISVILLE, KY.
AGENTS FOR SOUTH.

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NICKEL PLATING OUTFITS.

ZUCKER & LEVETT & LOEB CO.
OFFICES, 526, 528, & 530 W. 25TH ST.
NEW YORK, U.S.A.

SEND FOR CATALOGUE OF NICKEL & ELECTRO-PLATING SUPPLIES & POLISHING MATERIALS

BRUCE & COOK,

TIN PLATES AND METALS,

186, 188 and 190 Water St.,
248 and 250 Pearl St.

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

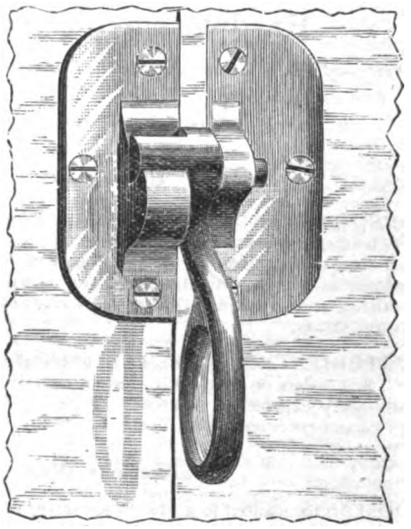
Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Manoer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

The CONROY PATENT Refrigerator Fastener.

The only Practical Fastener in use.



Manufactured and sold to the trade by

P. J. CONROY,

Beware of Infringements. Paschall, Phila.

CURIOSITY.

If you can arouse curiosity
by an advertisement it is
a great point gained.
The fair sex
don't
hold all the
curiosity in the world.
First catch the eye,
then appeal to the reason.

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All Genuine Yale Hardware bears this Trefoil Trademark

Y&T

The Yale and Towne Manufacturing Company.

SALESROOMS:

New York, 84-86 Chambers St. Philadelphia, 1120 Market St. Buffalo, Builders' Exchange.
Chicago, 152-154 Wabash Ave. Boston, 224 Franklin St. San Francisco, Mills Building.

GENERAL OFFICES: 280 Broadway, New York. WORKS: Stamford, Conn., Branford, Conn.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

BUSINESS MAN (Hardwareman preferred), with $5000, to keep books, and take charge of the finances in a well established Hardware Commission House. A great opportunity for a young man who is desirous of getting into business, and is willing to work. References furnished and required. Address "J. H.," care BURDITT & WILLIAMS, Boston, Mass.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

POSITION wanted in a Hardware store, wholesale or retail; five years' experience in Nebraska, five years in Pennsylvania. Good references. W. S. STITZER, Hotel Grand, Schuylkill Haven, Pa.

MONITOR lathe and screw machine hand. Young man, A1 on all kinds of work. Large experience on bicycle and electrical work. F. FRANK, No. 248 Walnut Street, Newark, N. J.

OFFICE assistant, 21, quick and accurate writer and figurer; best references; experienced and ambitious. Address HOFFMAN, No. 39 East 106th Street, New York City.

WANTED—By a young man of 25 a situation as salesman in a retail or wholesale Hardware store. Five years' city experience in Maine and Massachusetts. A1 references. J. A. Y., Box 208, Yarmouth, Me.

POSITION with manufacturing, wholesale or commission Hardware house, wanted by a thoroughly competent and experienced traveling salesman. Extensive Southern acquaintance. Unexceptional reference. Willing to go to any part of the country. Address "Marion," care of HARDWARE, 143 Chambers Street.

WANTED by a first-class practical metal pattern-maker in all its branches, one well up in ornamental work and a good chaser; have had nine years' experience as foreman in this line of work. Address W. W. W., No. 1462 Indiana Avenue, Chicago, Ill.

BY a young married man, 28 years old, sober, with twelve years' experience in a Hardware store. Can furnish personal references. Address L. F. S., No. 162 Massachusetts Street, Buffalo, N. Y.

BY a young married man, 23 years of age, to do any office work, keep books or help in stock. A1 reference. Salary, $12. Address S. A. E., care HARDWARE, No. 143 Chambers Street, New York.

A DIE and tool maker of fifteen years' experience wants a position. J. SETLMAYER, No. 366 Linden Street, Brooklyn, N. Y.

A YOUNG man 30 years old, with nine years' experience in a retail Hardware store, now owning half interest in a Hardware business, wants a traveling position for some good house, Hardware or similar line. A No. 1 reference. Address "HARDWARE," No. 66 River Avenue, Allegheny, Pa.

POSITION wanted as clerk in Hardware store; have had experience, and can give reference. Address F., No. 510 South State Street, Champaign, Ill.

WANTED—A position as salesman in a retail Hardware and farm implement store or all-around man, or a position as traveling salesman with good wholesale house of same lines. Would accept position in any territory. Have had ten years' experience in the retail implement business and two years in the Hardware. Speak English and German. Age 34; single. Can furnish best of reference. Address J. N. W., care HARDWARE, No. 143Chambers Street, New York.

WANTED—Inside or outside position by young man; has had ten years' experience in wholesale builders' and general Hardware. Address CORBIN, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—Position as store or road salesman; five years' experience in general store, Hardware and implement trade; first-class salesman; can give good references. A. P. AYER, South Columbia, N. Y.

WANTED by a practical metal pattern maker in all its branches, wishes to make a change on or after the first of the year, a competent designer and chaser on ornamental work, with executive ability to take charge of shop. Address MECHANIC, care T. J. Murphy, No. 1468 Indiana Avenue, Chicago, Ill.

POSITION with a wholesale Hardware house wanted, by a thoroughly competent and experienced traveling salesman. Best reference from present employers. Address R. V., care HARDWARE, No 143 Chambers Street, New York.

A SITUATION in a Hardware house wanted by a youth of 18; five years' experience. Good reference. Address J. R. B., care HARDWARE, No. 143 Chambers Street, New York.

MIDDLE-AGED man, intelligent, sober and honest, desires situation at Hardware business; willing to be generally useful; thorough knowledge of New York City. Address M. L. BROPHY, No. 42 Perry Street, New York.

YOUNG man (33), thorough knowledge in builders' and general Hardware, cutlery and kindred lines, desires position with jobbing, wholesale or export house; well posted in prices and goods; first-class accountant; A1 references. C. L., care HARDWARE, No. 143 Chambers Street, New York.

WANTED position in wholesale or extensive retail house, by young married man, with about ten years' experience in retail store. Will be ready March 1st. Iowa preferred. Am good mechanic, and expect to work. Address W. L. J., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling position by young man possessing thirteen years' experience of the Hardware, cutlery and sporting business in South America and West Indies. Address J. A. H., care HARDWARE, No. 143 Chambers Street, New York.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue. Toledo, O

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Situations Wanted.

POSITION wanted with large house by practical builders' Hardwareman (age 25); five years' experience counting plans. SAMUEL BROWN, Pittsburg, Pa., Harriett & Kelly, East End.

BY young man, 23 years of age, sixteen years' experience in Hardware, butchers' and grocers' supplies. Good references as to ability and character. Address L. W. V., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—By a young man thoroughly posted in builders' and general Hardware a position to represent some good house on the road in this State. Good salesman and thoroughly competent. References A1. Address M., care HARDWARE, No. 143 Chambers Street, New York.

I AM open for an engagement. Am at home on the road or behind the counter. Have traveled in Minnesota, Wisconsin and North Dakota. Can furnish A1 references. J. FRED. SMITH, General Delivery, Minneapolis, Minn.

TRAVELER, sixteen years with one house and well acquainted with trade in New York, Pennsylvania, Ohio, Michigan and Canada, desires to hear of opening. T. M. W, care HARDWARE, No. 143 Chambers Street, New York.

WANTED by a young man with nine years' experience in cutlery business a position of salesman on the road. Address A. A. S., care HARDWARE, No. 143 Chambers Street, New York.

DOUBLE entry bookkeeper, stenographer and typewriter desires position. Aged 30, married. Able to take entire charge of an office. At present managing office in Hardware store and tinware manufactory. Highest references. H. P., No. 13 Jones Street, Wilkesbarre, Pa.

HARDWARE salesman, sixteen years' experience wants a position, city or country. Address A. D. G., No. 56 Bleecker Street, Brooklyn, N. Y.

POSITION wanted in store or manufacturing concern, city or country; twelve years' experience in Hardware; capable of managing or buying, or as salesman; or of taking charge of correspondence and office work. Best of references. Address W. H. B., P. O. Box 2718, New York City.

POSITION wanted as salesman for manufacturer or jobber of Hardware, or as manager of branch office. Ohio territory preferred. A1 references as to ability and character. Experienced. Address B. E. H., Room 1, No. 219 Superior Street, Cleveland, Ohio.

Side Line Wanted.

SALESMAN visiting the dry goods, notion and tailoring trades in New England and New York State would like to get control of some specialty for such or would take line of bench and pocket cutlery. Address D. F., care HARDWARE, No. 143 Chambers Street, New York.

A COMMERCIAL traveler of several years' experience, would like another line, general Hardware or house-furnishing; territory covered, Ohio and a few towns in Western Pennsylvania. Best of reference if desired. Address R. E. D., care HARDWARE, No. 143 Chambers Street, New York.

TWO traveling salesmen want a line of goods to handle on commission; with fifteen years' personal acquaintance with the cycle, Hardware and toy trades, in Maryland and Washington. Reference given. Address ENTERPRISE MFG. AGENT, Bond and Chase Streets, Baltimore, Md.

AN experienced salesman would like agency for any line of goods not represented in all, or any part, of New England. Satisfactory references as to ability, and reasons for seeking new position. Address "AGENT," P.O. Box 1077, Springfield, Mass.

I WANT a line of tinware, table cutlery or house-furnishing Hardware, in connection with present line, for Ohio, Indiana and Michigan. Address "TRAVELER," care Avery Stamping Co., Cleveland, Ohio.

TRAVELING salesman, twelve years with present house, wants line table cutlery, house-furnishing goods tinware, or A1 specialties, in connection with old line, for Michigan, Indiana and Ohio. Address M. I. & O., care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman of ten years' experience wants side line of pocket cutlery, scissors or any light Hardware. Will cover Virginia and West Virginia. Now represent lubricating oil and filter house. Best of reference if required. Address W. S. BUCHANAN, Oakland P. O., Louisa County, Va.

Side Line Offered.

TRAVELING salesman wanted to sell our washer to the trade as a side line. ROCKER WASHER CO., Ft. Wayne, Ind.

HARDWARE salesmen to handle the latest and best raisin seeder on earth as a side line. F. E. TOURNIER, No. 64 Federal Street, Boston.

A LINE of well-known fine goods, samples light, to sell to the large retail trade of New England and Canada. Address A. B. C., care HARDWARE, No. 143 Chambers Street, New York.

SIDE LINE or good specialty wanted for New England States by a young man now representing three New York concerns there and who has a large established trade among the Hardware, kitchen furnishing, wholesale drug and department stores. Address H. B., No. 29 Exchange Street, Boston, Mass.

WANTED—Thoroughly competent Hardware salesman to sell our line of specialties to the Hardware trade as a side line on commission. Address HERRICK MFG CO., Jackson, Mich.

WANTED—Salesmen to sell our Economy, Drilling Compound and Neverslip Bar Belt Dressing; easy to sell; just the thing for a side line; salesmen who sell to manufacturers of metal products preferred. Write for particulars. THE WHITE & BAGLEY CO., Worcester, Mass.

SALESMEN for good line imported pocket knives and scissors as a side line on commission to retail trade in Ohio and Pennsylvania. "IMPORTER," care HARDWARE, No. 143 Chambers Street, New York.

SALESMEN wanted to sell a side line on commission; Eureka safety wall pipe round, oval, square heater pipe and elbows. Write or call. THE PATERSON HEATER PIPE CO., care HARDWARE, No. 143 Chambers Street, New York.

HARDWARE salesmen wanted in West Virginia, Maryland, New York and Virginia, to sell lubricating oils as a side line. BUCKEYE REFG. CO., Pittsburg, Pa.

WANTED—A bicycle or Hardware traveling salesman to handle A1 side line cycle sundries on commission. State references and territory. Box 235, Rochester, N. Y.

FIFTY salesmen wanted quick, to handle whips as a side line to best Hardware trade. Address U. S. WHIP CO., Westfield, Mass.

WANTED—Salesmen to sell on commission for the manufacturer, as a side line or otherwise, first-class lines of pocket cutlery, etc., in New York State and Pennsylvania. Also in Iowa and adjacent States. Address P. C., care HARDWARE, No. 143 Chambers Street, New York.

SIDE LINE—Hardware, stoves and tin. Good commission. Do you want it? "4769," Mercer, Pa.

SALESMEN wanted on commission to handle as side line or otherwise a line of leather cup valves, cylinder and plunger valves for pumps, etc. Address GEORGE OBERNE & CO., No. 383-401 North Halsted Street, Chicago, Ill.

SALESMEN wanted to sell an article weighing two ounces to the Hardware, grocery, coal and other trades. Used in every house. Commission on each sale $2.50 and up. R. K. TELLER, Unadilla, N. Y.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

SALESMEN wanted to sell patented staple specialty to the Hardware and grocery trade. Large commission. R. Givens, Corpus Christie Tex.

For Sale.

SCARCITY of game and stringent game laws leaves me about twenty-five single and double-barrel guns and a line of gun implements, flasks, etc., to sell at a bargain. Correspondence solicited. C. F. BALLARD, Washington C. H., Ohio.

RARE CHANCE—For sale, an old established general Hardware and house-furnishing store in New Jersey, a city of 18,000 population, within twenty-five miles of New York, doing a thriving business and located on the best business corner in the city. This business can be purchased for $17,000 cash. Address L., care HARDWARE, No. 143 Chambers Street, New York.

To Let.

A DESIRABLE office to rent with the Wilmot & Hobbs Mfg. Co., No. 2 Murray Street, New York. Steam, heat, electric light and telephone.

A DESIRABLE office to let with the Van Wagoner & Williams Hardware Co., No. 14 Warren Street, New York City.

Attention! Hardware Travelers!

HARDWARE and other traveling salesmen who wish to increase their incomes, will be placed in a position to do so by sending their name and address to the HARDWARE Publishing Co., No. 143 Chambers Street New York.

Rubber Agency Offered.

RUBBER HOSE, Belting, Packing, etc. Mineralized Rubber is better than Vulcanized at equal prices. Local and traveling agencies granted on uncovered ground. MINERALIZED RUBBER CO., No. 18 Cliff Street, New York.

Agency for England.

GREAT BRITAIN—Salesman wishes to represent a specialty house desirous of placing their goods on the English market or in the South Atlantic States. Well posted and first-class references in both countries. Address KITCHIN-MEAD, No. 2145 Seventh Avenue, New York.

WANTED, agency for England by a gentleman residing in Birmingham. Thoroughly acquainted with the Hardware trade; energetic, hard-working and most trustworthy. First-class reference. Agency in the bicycle fitting line especially wanted. Address "BIRMINGHAM," care HARDWARE, No. 143 Chambers Street, New York.

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THE
CLEVELAND BLOCK CO.
CLEVELAND, OHIO, U. S. A.,
—OFFER—



THE BEST BLOCKS ON EARTH.

UP TO DATE.

Steel Hooks,
Steel Straps,
Steel Pins,
Steel Rivets,
Lowest Prices.

General Agents:
Topping Bros., New York.
Boston & Lockport Block Co., Boston.
Woodward, Wight & Co., Ltd., New Orleans.
Miller, Sloss & Scott, Inc., San Francisco.

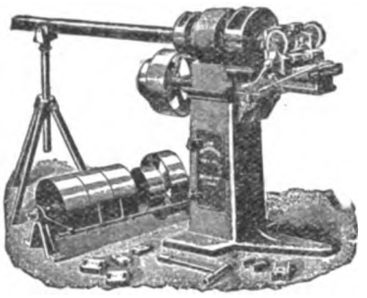
PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

YOUR STOCK IS NOT COMPLETE
Without a Line of



The "ARMSTRONG"



No. 2½ MACHINE.

PIPE THREADING AND CUTTING OFF MACHINES, ADJUSTABLE STOCKS AND DIES, WRENCHES, HINGED VISES, PIPE CUTTERS, CLAMP DOGS, ETC.—THEY ARE ALL "STANDARDS" AND NEVER DISAPPOINT. CATALOGUE!

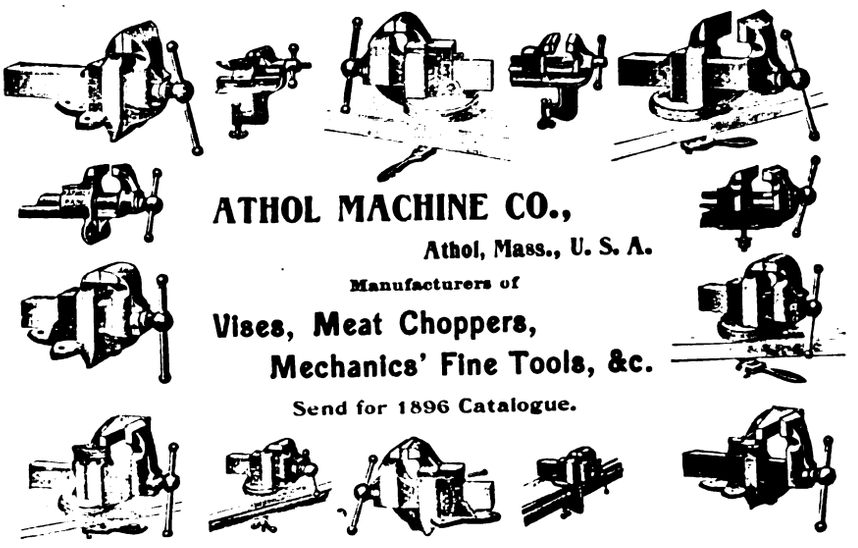


THE ARMSTRONG MFG. CO., BRIDGEPORT, CONN.
—NEW YORK OFFICE: 139 CENTRE STREET.—

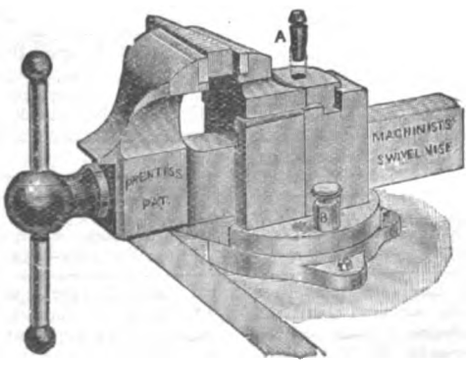


Full Size in Cut. No. 1 "Regular."

THE CLARK M'F'G CO.,
ORIGINAL AND ONLY
Manufacturers of the Genuine
"Clark's" Blind Hinges
All Imitations are Counterfeits.
Also Manufacturers of
Lull and Porter, O. S.; "Dixie" L. & P., and "Buffalo Reversible" Shutter Hinges; Gate Hinges and Latches, Sash Pulleys, Cast Loose Pin Door Butts, &c.
BUFFALO, N. Y.



ATHOL MACHINE CO.,
Athol, Mass., U. S. A.
Manufacturers of
Vises, Meat Choppers,
Mechanics' Fine Tools, &c.
Send for 1896 Catalogue.



PRENTISS' PAT. VISES
The Leaders for 20 Years.
Send for Illustrated Catalogue of
ALL KINDS OF VISES.
Prentiss Vise Company,
MANUFACTURERS,
44 Barclay St., New York.

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PRICES CURRENT.

Our quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—$ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00. .....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.00@$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS LOADED—
Standard List July 19, 1890. 40&10& 10@40&10&10&10a 5%

GUN WADS—$ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags $ bag.....$1.30
Drop Shot, sizes smaller than B, 5-lb bags, $ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, $ bag.....$1.55
Drop Shot, B and larger sizes, 5-lb bags, $ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, $ bag.....$1.55
Buck and Chilled Shot, 5-lb bags, $ bag.....$ .35
Dust Shot, 25-lb bags, $ bag....$2.00
Dust Shot, 5-lb bags, $ bag ....$ .50

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 00 lb lots 10% discount.
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black..... $ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Animal Pokes—

R. W. Montrose, Galien, Mich.:
Camp's Success.....$ doz. $3.80
Galien Safety.....$ doz. $3.75
Hartman's Pivot.....$ doz. $4.75

Anvils—

Eagle Anvils, $ lb 9c.....15@15&5%
Peter Wright's..... 1 @10½c
Armitage's Mouse Hole.....8½@9½c
Trenton..... 9@9½c
American "Horse-Shoe"..9½@10½c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—

List September 5, 1895.

3-16	4-16	5-16	6-16	7-16
$4 00	$3.50	$3 50	$3.75	$3.75
8-16	9-16	10-16	11-16	12-16
$4.00	$4.25	$4.50	$5.00	$5.50
13-16	14-16	15-16	16-16	17-16
$6.00	$6.50	$7.25	$8.00	$9.00
18-16	20-16	22-16	24-16	
$10.00	$11.00	$12.00	$14.00	

Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
Double Spur pattern car, No. 30.60%
No. 10 Extension Lip.....40%
No. 10 Extension Lip pattern car bit.....40%
Lewis' Patent Single Twist..... 45%
Russell Jennings' Augers and Bits. 25&10%
Jennings' Pat. Car Bits...50@50&10%
Pugh's Black.....20%
Snell's Bits.....60&10&10@70%
Forstner Pat. Auger Bits.....25%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....35&10&10%

HOLLOW AUGERS—
Ives.....33⅓@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Adjustable.....doz. $21.00
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓&%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, $ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Diamond $ doz. $1.25.....40&10%
Double Cut, Shepardson's. 45&10@ 45&10&5%
Double Cut, Hartwell's, $ gro. $10. 40&10%
Double Cut, Douglass'....40&10@50%
Double Cut, Ives'...60&10@60&10&5%

BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....50&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co., for wood 40@ 40&10%
Syracuse, for metal.50&10&5@60&10%
" for wood (wood list) 30&10@40%

SHIP AUGERS AND BITS—
L'Hommedieu's....15&10@15&10&5%
Watrous'.....40@40&5%
Snell's.....15&10&10%

Awls—

Sewing, Common.....60%
Should. Peg $ gr.....$1.50@$1.55
Pat. Peg $ gr.....35@38c
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shouldered Brad. $ gr...$1.30@$1.40
Handled Brad, $ gr.....$2.50@$3 00
H'ld Scratch $ gr.....$4.00@$4.50
Socket Scratch $ doz....$1.10@$1.20

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 $ doz. $7.50; No. 20, $ doz. $10.....60@60&5%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9; 5, $7.....50%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

First quality, best brands. $5.25@5 50
First quality, other " $4.75@5.00
Beveled add 50c $ doz.

HATCHETS—
Hunt's, Underhill's or Blood's... 40&7½&50&10%
Fayette R. Plumb:
Broad.....50%
Shingling.....40&7½%
Lathing.....40&7½%
Warehouse.....40&7½%
Collins.....10%

Balances—

Straight Spring balances..50&5@60%
Common 24 lb.....$ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's $ doz. 75c 83c $1.65 net
Chatillon's Spring Bal.....50%
Chatillon's Cir. Sp'g Bal.....60%
Ice.....50&10%
Enterprise Barrel Jack Truck and Stand, each..... ...$5.00

Beef Shavers—

Enterprise:
Japanned, each.....$6.50
Tinned, each.....$7.50

Bells—

HAND—
Light Brass.....70&10@70&10&5%
Extra Heavy Brass.....70%
White Metal.....70%
Silver Chime.....33⅓&10%
Globe (Cone's Patent).....25&10@35%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40@40&10%
Gong, Yankee.....55&10%
Gong, Barton's .....40&10@50%
Crank, Brooks'.....55&10&2%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s.....60%
Pull, Brooks'.....50&10&2%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.60&10@60&10&10%
Western.....20&10%
Western, Sargent's list.....66⅔&10%
Kentucky, "Star".....20&10%
Kentucky, Sargent's List...6⅔&10%
Kentucky, Durham.....66⅔&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....50&10@60%

Belting, Rubber—

Boston Belting Co.;
" Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.70&10@75&10&5%
Standard.....70&10@75%
Extra.....60&10&5@70%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..$ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9. 25&10&5%
McGill's.....$ doz. $3....10%
Terrell's No. 1 and 2, $3; No. 3, $3.60 $ doz.....30%
Millers Falls $ dos. $4.50.....

Bit Holders—

Extension:
Millers Falls Barber's, $ doz. $15 40@40&10%
Ives' $ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic..$ doz. $3..33⅓@33⅓&10%
Excelsior..$ doz. $10.00....50&10&2%
Zimmerman's.....50&10@50&10&5%

Blind Fastenings and Tenons—

Millers Falls $ set $1.00.....20%
Austin & Eddy $ gro. sets.....$5.50
Gorhans Improved Star Tenon $ gro. $1.00.....25%
Mackerell's, $ doz. $1.00..20@20&10%
Merriman's Brass Lever $ gr. $15.00
Merriman's Iron Lever $ gr...$9.00
Security Gravity $ gr.....$9.00
Van Sand's.....55&10%
Washburn's Plate $ gr.....$9 00
Zimmerman's.....50&10@50&10&5%

Blocks—

Cleveland Block Co. Steel ....60@70%
Moores Novelty, Mal. Iron.....60%
Moore's Anti-Friction Differential Pulley.....20%
Moore's Rope Differential Pulley.60%
Regular Iron Strap'd Blocks.70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c. 75&10@75&10&5%
Cast Iron Shutter Bolts..75&10@75& 10&5%
Cast Iron Chain (Sargent's list). 65&10@65&10&5%
Ives' Patent Door Bolts...60&10&5@ 60&10&10%
Wrought Barrel.....75&10@80%
Wrought Square.....75@75&10%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's. 60&7½%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔@70%
Wr't Sunk Flush, Sargent's list. 60@60&10%
Wr't Sunk Flush, Stanley's list..50%
Wr't B. K. Flush, Com'n, Stanley's list.....60&10@60&10&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Com. Jan. 30, '96.....65&12½%
Genuine Eagle, list Oct. '84...80&5@ 80&10%
Phila., Eagle, list $3.40.....80%
R. B. & W., old list.....70&10&3%
Machine list Jan. 30, '95.....70&5%
Bolt Ends, list Jan. 30, '95.....75&5%

TIRE—
Common, list July 1, '95.....67½%
American Screw Co.:
Norway, Phila., list Feb. 26, '96. 75%
Eagle Phila., list Feb. 26, '96....80%
Bay State, list Feb. 26, '96.....70%
B. R. & W., list Oct. 15, '94.....80%

STOVE AND PLOW—
Stove.....67½%
Plow.....60&10&10@70%
R. B. & W., Plow..... .....65%

MISCELLANEOUS—
Sleigh Shoe.....80%
Sink.....67½%

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 50@ 50&5%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—

Humason, Beckley & Co.'s 70@70&10%
Sargent & Co.'s $17 and $18.60.60&10@ 60&10&10%
Peck, Stow & W. Co60&10@60&10&10%

Braces—

Barber's.....60&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.70@70&5% New Haven Ratchet.60&5@60&10% Barber Ratchet.....60&5@60&10% Barber.....60&5%
Spofford.....60&5@60&10%
Common Ball American..$1.00@$1.10
Bartholomew's:
Nos. 25, 27 and 30..... ..... 60%
Nos. 117, 118, 119.....0@70&75%
Peck's (P. S. & W. Co.)....60@60&5%
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....75%
Shelf, Plain, Sargent's list.....60&10%
Shelf, Francis Kell & Son.....40%
Moore's.....70&5%
Shelf, fancy, Sargent's list..60&10@ 60&10&5%

Window Screen Corner.....70&10%
Door Screen.....70&10%

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Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....90@90&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....80@80&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s.80 @80&10%
Peck, Stow & Wilcox Co.'s.60@60&10%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....25%
Beatty's.....40&5@40&10%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Bung Hole Borers—

Enterprise.....25%

Butter and Cheese Tryers—

Ordinary.....25%

Butt Gauges—

Stanley's.....20&10%

Butts—

BRASS—

Wrought Brass.....80&10@80& 20%
Cast Brass, Tiebout's Fast Joint. 50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Cortlin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son 40%
Norwich Lock Mfg. Co. Bronze..30%

CAST IRON—

Fast Joint, Narrow, 50@10&5@60& 5%
Fast Joint, Broad 5 &10@50% &10%
Loose Joint.....70&10@75&5%
Loose Joint, Japanned ...75&10@80%
Loose Joint, Jap. with Acorns, 75&10@8 %
Parliament Butts.....70 10@7 &5%
Mayer's Hinges.....70 &10@7 &5%
Loose Pin, Acorns.....70 &10@7 &5%
Loose Pin, Acorns, Jap.70 &10@7 &5%
Loose Pin, Acorns, Japanned, 70&10@75&5%
Plated Tips.....5&10@80%

WROUGHT STEEL—

List, April 1, 1895.
Narrow, No. 8 0 .....
Narrow, Loose Joint, No 802..
Loose Joint, No 806.....
Reversible, No. 804.....
Broad, No 808.....
Table, No. 810.....
Back Flaps, No. 814.....
Square Back Flaps, No. 816....
Pew Door, No 818.....
Quest, No. 820.....
Reversible, with Steeple or Ball Tips, Nos. 822, 823.....
Light Reversible, with Ball Tips, No. 826.....
Extra Light, No. 828.....
Light Reversible, No. 834.....
Light Loose Joint, No 836.....
Warwick Butt, Pat. No. 83[illegible]
Light Narrow, No 838.....
Loose Pin, Light Narrow, No. 840
Light Inside Blind, No 842 ...
Light Inside Blind, Beveled Edge, No 843.....
Light Inside Blind, Loose Pin, No. 844.....
Three Fold Shut Butts, No. 845
Light Inside Blind Edge Hole, No 846.....
Light Inside Shutter, No 848..
Parliament, with Steeple or Ball Tips, Nos. 828, 829.....
Parliament, No. 830.....
Light Parliament, No. 832.....
} 75&10@75&10%

Can Openers—

Messenger's Comet..per doz $3.00, 25%
American.....per gross $1 7.@$2.0
Dunlap's Iron Handle, No. 3 per gr. $12.00, 25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2 1.75.25%
No. 5, Iron Handle, per gr....$2 20@2 25
Eureka.....per doz. $2.50.....10%
Sardine Scissors...per doz. $2.75@3.00
Dunlap's Sardine Scissors, per doz. $5.00....25%
Star.....per doz. $2 75
New Sprague, Metallic Handles, per doz.....50c
New Sprague, Wood Handles, per doz.....60c
World's Best, per gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, per gr $9.00
Goodell's Acme, per gr. $8.00; per doz.75c
Universal, per doz. $3.00..... 55&5%
Domestic, per doz. $2.00.....45%
Champion, per doz. $2.00.....50%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense per gro $7.00.....50%
Kohler's Cyclone.....per doz. 75c
Kohler's Lightning.....per doz. 90c
Moore's.....75%

Cards—

Horse and Curry.....2 @ 5%
Cotton .....2 @ 5%
Wool.....2 @ 5%

Carpet Stretchers—

Cast Steel, Polished.....per doz $2 25
Cast Iron, Steel Points. per doz.75@90c
Bullard's.....25&10@40%
Dunlap's.....25%
Excelsior.....25%
Socket.....per doz. $1.75

Carpet Sweepers—

Bissell's:
Grand.....per doz. $36.00
Gold Medal.....per doz. $27.00
Prize.....per doz $27.00
Premier.....per doz. $27.00
Superior.....per doz. $27.00
Cosmopolitan.....per doz. $27.00
Furniture Protector, Japanned.....per doz. $24.00
Furniture Protector, Nickel.....per doz. $27.00
Inter Ocean.....per doz. $27 00
Hall.....per doz. $48.00
Crown Jewel, Japan finish, per doz $19 00
Crown Jewel, silver bronze trimmings, per doz.....$30.00
Crown Jewel, nickel trimmings per doz.....$21.00
Excelsior.....per doz. $22.00
Garland.....per doz. $18.00
Grand Rapids, Jap..per doz. $24.00
Grand Rapids, Nick..per doz. $27.00
Housewife's Delight..per doz. $15.00
Improved Parlor Queen Japanned.....per doz. $24.00
Improved Parlor Queen Nickeled.....per doz. $27.00
Standard.....per doz. $24.00
Bissell's Child's Sweeper per doz.....$8.00

Casters—

Bed.....
Plate.....
Shallow Socket.
} 60&10@60&10&10%
Deep Socket.....60%
Martin's Patent(Phoenix). 60@60&5%
Tucker's Patent, low list..50@50&5%
Yale Casters, list May, '84.....50%
Yale Gem.....70&10%
Giant Truck Casters.....35%
Stationary Truck Casters.....50&10%
Socket Truck Castors..45&10@ 5& 10&10%
Swivel Truck.....60&10&10%
Store 55%
Gwinner's Common Sense.....50%
Gwinner's Hercules.....50%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches .....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Humason, Beckley & Co.'s 70&10@ 70&10&10%
Sargent's.....70&10@70&10&10%
Peck, Stow & W. Co.....60⅔&5

COW TIES—

American.....60&10%
Triumph.....33⅓&5
Covert's Horse and Cattle:
Jute.....33⅓&5
Manilla.....33⅓&5
Sisal.....33⅓&5

Chain—

American Coil, in cask lots at fact.
3/16 ¼ 5/16 ⅜ 7-16 ½ ⅝ ¾
$6 75 5 50 4.00 3 75 3.50 3 40 3 30 3 15
Less than cask lots, add ¼c @ ½c per lb.
Trace, Wagon and Fancy Chains, 60&10&1 @70%
Covert Mfg Co.....45%
German Coil.....7 @70&10%
German Halter Chain...7 @70&10%
Oneida Halter Chain .....60@60&10%
Covert's Halter Chains.....4 &2%
Covert's Heel Chains.....45&5%
Covert Mfg Co's Chains.....45%
Covert Sundry Works:
Breast Chain.....60&2 %
Hitching Chain.....6 &20%
Rein Chain .....6 &20%
Galvanized Pump Chain, with Buckles .....6⅔@6⅔&5%
Jack Chain, Iron.....70%
Jack Chain, Brass.....70%
Plumbers 60%

Cherry Stoners—

Enterprise.....25%

Chisels—

SOCKET FRAMING AND FIRMER—

P. S. & W.....
Winsted Edge Tool Co.
Ohio Tool Co .....
Swan .....
Sag Harbor Tool Co.....
Jennings & Griffin Mfg. Co.....
Mix .....
} 75&10&10%

C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill.....60&10@60&10&10%

TANGED AND MISCELLANEOUS—

Tanged Firmers'.....50@50&10%
Butchers'.....$1.75@$ 00 t 2
Spear & Jackson's.....$5 to 2
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....75&10&10%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge 40%
Cold Chisels, fair quality, per lb 14c@16c
Box.....60&10%

Chucks—

Beach Pat....each 3 00.....30%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....30%
Skinner's Pat. Drill Chucks.....30%
Skinner's Ind't Lathe Chucks....5 %
Skinner's Pat. Comb. Chuck.....40%
Drill.....30%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor, No 1, $8.50; No. 2, $12.50.25%
Combination.....40%
Universal.....40%
Independent.....40%
Whilton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....25&10%
Adjustable, Hammers.....15@15&5%
Cabinet Makers, Sargent's 45&10@ 50&10%
Carriage Makers', Sargent's..50& 1.@50&10&5%
Carriage Makers' P. S. & W. Co.. 40&10%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati .....2 &10%

Cleavers—

Foster's.....30%
Jennings & Griffin 40%

Clippers, Horse—

Brown & Sharpe's (Champion American Clipper).....$3.00
Clarke's (Imported).....8.50
Albion L (for left hand)...8.50
Foxhall.....8.50
Auto rat (centre fly nut).8.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet. 4.00
Keystone (Ball bearing), centre fly nut. 5.00
American (double cutting plate).....5.00
Lexington.....8.50
Advance.....2.50
Globe Reversible (Ball bearing). 6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—

Norway Axle.....70@70&5%
Norway Spring Bar Clips..10&10& 10@70%
Superior Axle Clips.....70@70&5%

Coffee Mills—

Box and Side.....60&10@60&10&5%
Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Wadden's New Box Mills, Ideal Brand, New List .....6 @60&10%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers. 70&10@75%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.....25%
Calipers, Wing.....60%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25&10%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Div...25&10%
Wright's Graduating.....15%
Brown & Sharpe.....25%
Wm. Johnson's:
Wing Dividers 75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—

Bradley's.....20%
Barton's.....20@20&5%
L. & I. J. White.....20@20&5%
Albertson Mfg. Co.....25%
Beatty's.....33⅓%
Sandusky Tool Co.....25&10@30&10%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40& 10@50%
Williamson's .....33⅓&5
Detroit Cork-Screw Co.....33⅓&5
Howe Bros. & Hulbert.....35%
Samson .....per doz $10.00

Corn Huskers—

Blair Husking Glove Co.:
No. N. R. G Gloves...per doz. $12 00
No. 123 Gloves.....per doz. 4.50
No. 125 Gloves.....per doz. 6.00
No. 15 Gloves. .....per doz. 9 00
No. 55 Gloves.....per doz. 8 00
No. 46 Gloves .....per doz. 9 00
No. 5 Gloves.....per doz. 7.50
No. 142 Gloves.....per doz. 7.00
No. 138 Gloves.....per doz. 6 00
No. 052 Gloves.....per doz. 8.00
No. 147 Gloves.....per doz. 4 50
Wrist Supporters ....per doz. .75
No. 160 Husking Pin..per gro. 7.00
No. 165 Husking Pin..per gro. 10 50
No. 170 Husking Pin..per doz. 2 00
Hubbard's Solid Steel, per gr 6.00 33⅓
Perkins Boss:
Styles A and B, per doz. $2.00; E, $1.75.....6%
Wrist Supporters.....per doz. 75c
Mittens.....per doz. $1.50
Ashtabula.....per gro. $2.50
Brinkerhoffs.....per gro. $15.00
Buckeye.....per gro. $4.00
Cleveland.....per gro. $7.50
Johnson's.....per gro. $6.50
Universal.....per gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....25@35&10%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....30%
Dixon's
Eclipse.....per gro. $2.75
Emerald.....per gro. 5.00
Oriole.....per gro. 5.00
Rainbow.....per gro. 2.81
Solid.....per gro. 7.50

Curry Combs—

Spring, Jap'd per doz. $1.75; Blued, $2.25; Nickeled, $4.00.
Rubber, per doz. $7.50..... ..20@10%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....per doz. $1.75
F. E. Kohler & Co.'s Humane per doz. $1.60
Gibbs' Magnetic per doz. net...$1.40

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½
$1.35 $1.43 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....40%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list..40& 10@50%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....20%
Eclipse.....60@60&10%
Shaw's.....40%
Unity F. G.....50%
Quinn's Royal.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

SPARE COIL—

Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—

Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—

Torrey's Rod, 39 in, per doz $1.25 @1.25
Bee Rod per gr., $20.00.....20%
Warner's .....5 @ 5 5%
Gem (Coil), list April 19, 1886. 25&10%
Star (Coil), list April 19, 1886. 25& 10& 10%
Foster's (Coil).....2%
Champion (Coil)...55&10@50&10&10%
Cowell's No. 1, per doz, $18.00; No. 2, $15.00.....50@50&10%
Rubber, complete, per doz. $5.50. 66⅔@70%
Quinn's Royal.....50%

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix .....
New Haven.....
} 80@80&10%
Merrill.....60&10@90&10&10%
Douglass.....75@75&10%
Watrous.....15 1 @35%
L. & I. J. White.....2 &5@ 25%
Bradley's.....35%
Adjustable Handle.....25@33⅓%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Drills and Drill Stocks—

Blacksmiths'.....each $1.00
Breast, P. S. & W.....40&10%

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Breast, Wilson's.....30&5%
Breast, Millers Falls, each $3.00...25%
Breast, Bartholomew's No. 12, ₩ doz.....$14.00
Ratchet, Merrill's.....30@30&5%
Ratchet, Ingersoll's.....25%
Ratchet, Parker's.....30@30&5%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; Adjustable No. 10, $12.00.....33⅓%
Wilson's Drill Stocks.....10%
Automatic Boring Tools..$1 75@1 85
Stearns' Bench.....50@.0.&10%

TWIST DRILLS—

See Augers and Bits.

Egg Beaters—

National.....₩ gro $1.50
Paine, Diehl & Co.'s Keystone.....33⅓%
Dover (Standard Co.).....₩ gro $9.50
Dover Extra Heavy (Standard Co.) ₩ doz $2.50

Electrical Supplies—

J. Jones & Son:
Alarm Clocks, Electric.....$7.00 each less 50%
Annunciators, $1.50 ₩ drop less 50%
Batteries, Leclanche...60c. each, less 50%
Batteries, Carbon..6 0c ea., less 50%
Batteries, Medical $8.00 ea., less 50%
Batteries, Dry.....50c. ea., less 50%
Bells, Electric. 2½. 50c. ea., less 50%
Call Bell Outfit, Electric...$2.00 each, less 50%
Desk Pushes Electric..30c. each, less 50%
Door Springs, Electric...24c. ea., less 50%
Early Risers' Set, Electric..$1.50 each, less 50%
Floor Pushes, Electric...6 c. ea., less 50%
Gas Burners, Electric....5 c. ea., le s 5 %
Gravity Batteries, $1.00 ea.. less 50%
Hydrometers ...75c. each, less 5%
Incandescent Lamps..4 c. each, less 50%
Induction Coils, Telephone..6 c. each less 50%
Lead Covered Wire No. 18, No. 16 No. 14
Magnetos, Telephone, $7.00 each, less 50%
Push Buttons, Wood..10c. each, less 50%
Push Buttons, Bronze, 20c. each, less 50%
Sal Ammoniac...18c. ₩ lb., less 50%
Switches, 1 pt....20c. each, less 50%
Switches, 2 pt... 24c. each, less 5%
Switches, 3 pt....:8c each, less 50%
Spark Coils, 8 pt..$2.00 ea., less 50%
Spark Coils, 10 pt $ .4 ea., less 50%
Spark Coils, 12 pt.....$3.50 each, less 5%
Tape, Insulating, 8 c. ₩ lb. less 50%
Tube, Speaking, $21.00 ₩ 1,000 ft. less 5 %
Whistles, Speaking Tube, Parcel in.....75c ₩ doz., less 50%
Whistles, Speaking Tube, N. P., 2 0 ₩ doz., less 5%
Wire Winders, $10 00 each, less 50%
Window Springs, Electric...24c each, less 50%
Yale Lock Switch, Electric, $2.50 each, less 50%
Zincs, Leclanche...04c. ea., less 5%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CFF
Kegs, ₩ lb.	4½c	5c	8c
½ kegs, ₩ lb.	4½c	5½c	8½c
¼ kegs, ₩ lb.	5c	5½c	8½c
10 lb cans, 10 in case....	6c	6½c	8½c
10 lb cans, less than 10..	10c	10c	8c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....70%

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....60@60&10%
Wood.....25%

Faucets—

John Sommer's Peerless Tin Key.40%
John Sommer's Boss Tin Key...50%
John Sommer's No Brand Metal Key.....60%
John Sommer's W. P. Metal Key.40%
John Sommer's Diamond Lock..40%
John Sommer's I. X. L. Cork Lined.....50%
John Sommer's Reliable Cork Lined.....60%
John Sommer's Common Cork Lined.....70%
John Sommer's Chicago Cork lined.....60%
John Sommer's O. K. Cork Lined 50%
John Sommer's Perfection Cedar..0%
John Sommer's Cedar (in bbls.) 50&1.%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum...70@70.5%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70&5@70&10%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....33⅓%
Lane's ₩ doz. $36.00.....45%
Enterprise Molasses Gates.....20%

Fibreware—

Standard Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt....	$3.00	$3 50	$4.00
Dairy Pails, 14 qt.....	3.30	3.80	4.30
Fire Pails, 14 qt., stenciled "fire.....	3.40		
Prison Pails, 16 qt (with cover)	6 50		
Buggy Pails, 7 in. high.	2.00		
Slop Jars (bal. trap c'v'r) No. 5 and 5x, 14 qt	6.50	7.50	8.00
Slop Pails (open funnel c'v'r) No. 5 and 5x 14 qt.	5.00	6.00	6.50
Chamber Pails, (flat cover, knob) Nos. 5 and 5x 14 qt	5.00	6.00	6.50
Commode Pail, (with ring only) Nos. 5 and 5x 14 qt.....	4 50	5.50	6.00
Commode Ring, (extra for Slop Jars, etc.)...	1. 0	1.7	2.00
Wash Basins (10½ inch)	1.10	1.50	1.70
" (12 inch)..	1.20	.70	2. 0
" (13¾ inch)	1.50	2.30	2.70
Wash Basins, 15 in., (or Wash Bowls, ...	2 30	2 90	3.40
Wash Bowls 14 in. deep	2.50	3.50	4 00
Pitchers, 10½ in. high..	4.00	4.70	5.20
Milk Pans.....	1.80	2.00	2.20
Fruit Bowls.....	1.20	1.70	2.00
Keelers, 11¼ inch.....	2.30	2 80	3.10
Waste Paper Jars.....	3.00	4 00	4.50
Mats, 8½ inch (for table use)	.50	1 00	1 20
Mats, 15 inch (for cuspidores, etc,.....	2.00	2.50	3.00
Mats, 17 inch (for slop jars, spittoons, etc)...	2.20	2.80	3.40
Mats, 20 inch (for slop jars, spittoons, etc)...	3.00	3.70	4.30
Cuspidors, 9x7½ inches, (anti-tip-over).....	5.50	6.50	7.00
Spittoons, Daisy, 8½ in. (detachable covers)..	2.50	3.00	3.50
Spittoons, 10½ in., (detachable covers).....	3.60	4.50	5.00
Spittoons, 12 in., (detachable covers).....	4.00	4.80	5.30
Peck Measures.....	2.80		

Files—

DOMESTIC—

Best Brands.....60&10&10@70%
Good Brands.....70&5@7.%
Fair Brands.....75&5@75&10&5%
Second Quality.....80&.0&10%

IMPORTED—

Stubs.....Stubs' list, 25&30%

Filters—

Seed's Water Filters:
A 1, No. 2, No. 3, No. 4,
$4.00 $2.50 $1.50 $1.00 ₩ doz.

Fish Hooks—

Amer. Fish Hook Co. list.60@60&10%
Kirby & Limerick, low list (50c base).....10%

Fish Scalers—

Covert's Saddlery Works:
Great American.....60&20%

Fluting Scissors—

List.....45%

Forks—

Hay, Manure, &c., Asso. List....75%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....net
White Mountain.....net
Ohio.....60&10%
Improved Arctic.....net
Granite State.....net
Gem.....net
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60%
Model.....60@60&5%
Good Luck.....65%
Confectioner's Machine.....50%
Blizzard.....net

Fry Pans—

Standard List:

No.....	0	1	2	3	4
₩ doz..	$3.00	$3.75	$4.25	$4.75	$5.25
No.....	5	6	7	8	
₩ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods...75@75&10%
Acme Fry Pans.....70&5@70&10%

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....$0.....
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....2%
Wire, Brown & Sharpe's.....15%
Stubs' Wire and Drill..... 20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....60@60&10%
"Eureka" Gimlets.60&10@60&10&5%
"Diamond" Gimlets ₩ gro ...$4.50
Double Cut.....40%
United States .....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'...60&10@60&10&5%
Double Cut, Douglass'....40&10@50%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue—

Dodd's Liquid Glue.....25&5@35%
Le Pages Liquid.....25@30%

Glue Pots—

Tinned.....50@50&10%
Enameled.....50@50&.0%
Family, Howe's "Eureka".....40%
Family, L. F. C.'s "Handy".....50%

Graters—

Enterprise.....25%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent..70&10@70&10&10%
P. S. & W. Co.....50&10&10%
Moore's.....55&10%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Mfg. Co.....45&2%
Covert's Saddlery Works:
Halters, Leather.....60&20%
Web and Rope Halters.....60&20%
Horse and Cattle Ties.....60&20%
Upson & Wooding.....40%

Halter Leads—

Covert Mfg. Co.....45%

Hammers—

HANDLED HAMMERS—

Maydole's.....25&1 @25&10&10%
Buffalo Hammer Co.... / Humason & Beckley... / Atha Tool Co..... } 50&10@60%
C. Hammond & Son. List..40&10@50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....30&10%
Fayette R. Plumb:
Drilling or Striking.....70%
Stone Cutters.....75%
Blacksmiths'.....60%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....25&10%
Peck, Stow & Wilcox.....40@40&5%
Sargent's.....40&10@40&10&5%
Ladies Perfect Tack, ₩ doz..... Nos. 1, $3; 2, $6..... .....33⅓%
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00 .....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40&10%
Machinists'.....60&5%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 lb...₩ lb 40c / 3 to 5 lb.....₩ lb 36c / Over 5 lb.....₩ lb 30c } 75@75&5%
Wilkinson's Smiths...10c@10½c ₩ lb

Hammock Ropes—

Covert Mfg Co.....45%
Covert's Saddlery Works....60&20%

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....$	.90	1.00	1.09	1.35	1.50

60&10&10@70%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles, Sargent's..50&10@ 50&10&10%
Boggin's Latches ₩ doz.....38c@38c

STORE DOOR HANDLES.—

Japanned Nuts.....$1.62
Bronzed.....60&10@60&5%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—

Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc .....0&3%
Brad Awl .....₩ gr. $2.00
Hickory Firmer Chisel, as ₩ gr4.50
" Firmer Chisel, large ₩ gr5.00
Apple Firmer Chisel, as..₩ gr5.00
Apple Firmer Chisel, large ₩ gr6.00
Socket Firmer Chisel, as. ₩ gr3.00
Worcester Leather cap'd Chisel.25%
File, assorted.....₩ gr 2.75 / Auger, assorted ...₩ gr 5.00 / Auger, large. ...₩ gr 7.00 } 50%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.60&10@60&10&10%

CROSS-CUT SAW HANDLES—

Atkins.....40%
Boynton' Loop Saw Handles, 50c.60%
Champion.....45@45&10%
Sensible.....₩ doz. pr. $5....60%

Hangers—

Barn Door, old pattern....70@70&5%
Barn Door, New England..70@70&5%
Samson Steel Anti-Friction.....55%
Orleans Steel.....60%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....55%
Champion .....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $2.00; No. 3 $25.00; No. 4, $35.00.. .. 7 %
Cheritree.....50&10%
Kidder's.....50@50&10%
The Boss.....60&10@60&10&5%
Best Anti-Friction 60&10@.0&10&5%
Duplex (Wood Track).....60&10&5%
Terry Ideal.....60&10%
Terry's Modern.....60%
Terry's Modern, Covered.....60%
Terry's Safety.....6 &5%
Terry's Solid.....60&10&10&5%
Terry's Wrought..... 6.&1 &10%
Munger Hanger .....20&10%
Davis Parlor Door..... 50@50&5%
Cronk's Steel cov'd Anti-Fric...60%
Cronk's Acme, Flat Steel ₩ doz. $7.00 ..... 75%
Queen City Reversible...75&10&5%
Felix, ₩ set $4.50.....20%
Richards' Single Track, Steel....50%
Lane's Steel Anti-Friction.....50%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10&10%
Stearns' Challenge.....50@50&5%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....50%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....50&10&10%
May.....50&5@50&10%
Barry, $6.00.....50&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....66%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $1.00, net; No. 2, $1.50, net.

Hay and Straw Knives—

Lightning, from jobbers.$6 50@$7.50
Gem.....₩ doz $10
Wadsworth's.....40&7½@40&10%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T.....75&10@80%
Corrugated Strap and T..75&10@80%
Hart's Pat. Heavy Strap.....30%

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Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 3 c; 14 to 20 in., ₩ ℔ 2 ½c; 22 to 36 in., ₩ ℔ 2 c
Rolled Blind Hinges Nos. 32 and 34 50&10@50&10&5%
Rolled Plate.....70&10@70&10&5%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 6 to 13 in. ₩ ℔, 5c. 14 to 36 in. ₩ ℔, 4c.

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔&5
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1888.....20%
Acme.....30%
American.....20%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.0
New Idea, No. 1, ₩ gro.....$12
New Idea, No. 2, ₩ gro.....$24.
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting.....25%
Union Mfg. Co.....25%
Bommer's.....35%
Buckman's.....25%
Chicago.....30%
Wiles' No. 1, ₩ gr., $16.00; No. 2, $18.00
Devore's No. 1.....₩ gr. $13.00
Rex.....₩ gr. $13.00
Royal Japanned.....66⅔&5
Royal Bronze.....45%
Reliable.....60%
Champion.....60%
Matchless No. 10.....70%
Victor.....₩ gr. $10.00
Torrey.....80%
Rubber.....66⅔&5

GATE HINGES—
Western, ₩ doz $4.20, 60&10@60&10 &5%
N. E...₩ doz $7.80, 60&10@60&10&5%
N. E. Reversible..₩ doz $5.60, 60& 10@60&10&5%
Clark's Nos. 1, 2, 3.....70@70&5%
N. Y. State..₩ doz $4.90, 60&10@60 &10&5%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's Nos. 1, 2, 3, 60&10@60&10 &5%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $12.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....60&10@60&10&10%
Clark's Nos. 1, 3, 5, 40 and 50, 75&10 &5%
Clark's Mortise Gravity.....50%
Sargent's Nos. 1, 3, 5, 11, 13, 75@75 10%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80&5%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&2½&5
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&2½&5
Stanley's Steel Gravity Blind Hinges, ₩ doz. sets $1.30, 30&1 @40%

Hitching Cords—
Covert Mfg. Co.....45%

Hoes—
HANDLED—
Garden, Mortar, &c.....75&20%
Planter's Cotton, &c.....80&20%
Warren Hoe.....60&10%
Magic.....₩ doz $4.00
Dunlap's:
Boys'.....80&10%
Ladies'.....80&10%
Toy.....80&10%

EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat.30&5%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....60&10&10@70%
Unground.....70&5@75%
White Enameled Ware:
Maslin Kettles.....75&10@80%
Boilers and Saucepans..60@80&10%
Tinned Boilers and Saucepans. 60@ 60&10%
Granite and Agate-Ware....40&10%
Ironclad Enameled-Ware....60&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....40@40&5%
Meriden Britannia Co.....40&15%
Simpson, Hall, Miller & Co.40&15&5%
Rogers & Brother.....40&15%
Hartford Silver-Plate Co....40&5&5%
William Rogers Mfg. Co...40&15&5%

Hooks—
CAST IRON—
Bird Cage, Sargent's list / Bird Cage, Reading.... / Clothes Line, Sargent's list. } 60&10&10 @70% 5. &10%
Williamson Bird Cage, new list..40%
Ceiling, Sargent's list.....50&10%
Harness, Rg. list.....70@70&5%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 60&10@60 &10&10%
Coat and Hat, Moore's.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....30%
Tassel and Picture (T. & S. Mfg. Co.).....75%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, E. C. Stearns, ₩ doz.....60c

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
Enterprise.....33⅓&5

WIRE—
Atlas Coat and Hat.....40@40&10%
Wire Coat and Hat, Gem, list April, 1886.....70%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50@50&10%
Indestructible Coat and Hat....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....60&10@50&20%
Handy Coat and Hat.....60@60&10%
Steady Celling.....60@60&10%
Wm. Johnson's: 8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.10; No. 4, $2.25
Bush.....55@50%
Whiffletree—Premium.....60%
Hooks and Eyes—Mal. Iron.....70&10%
Hooks and Eyes—Brass...60&10&10%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60
Covert's Saddlery Works: Self-Locking Gate and Door Hooks.....60&20%

Horse Nails—

	Nos. 6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9½	9½	9½	9½	9½	net
Ausable	28c	26c	25c	24c	23c.	40&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&5%
Essex	28c	26c	25c	24c	23c.	40&10@50%
Lyra	9½c	9½c	9½c	9½c	9½c.,	net
Snowden,	9½c	9½c	9½c	9½c	9½c.,	net
Vulcan	23c	21c	20c	19c	18c	25%
Northw't'n	26c	23c	22c	21c	20c.	25@25&5%
A. C.	25c	23c	22c	21c	21c.	40&10%
C. B. K.	25c	23c	22c	21c	21c	40%
Maud S.	25c	23c	22c	21c	21c	50&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	22c	21c	20c.	40&5&2%
Capewell	19c	18c	17c	16c	16c.,	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	18c	50%
Empire Bronzed						10@10½c

Horse Shoes—
See Shoes.

Horse Ties—
Covert Mfg. Co.....45%

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70&10@70&10&5%
Extra.....60&10@50&10&10%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....net
Star.....net
Gem Ice Shave.....net
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Shredders—
Enterprise, ₩ doz.....$15.00

Jack Screws—
See Screws.

Kettles—
Spun Plain Brass.....25&5%
Spun Brass, plated inside with White Metal.....20&5%
Stamped Brass Kettles, ₩ ℔ 10@20%

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@ 60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys...₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives....25@25&10%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....50%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....25@ 0%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔&5
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread..25@25&10%
Hay and Straw, see Hay Knives.
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....55@60%
Door Por. Jap'd.....65@70%
Door Por. Nickel.....$1.75@2.00
Door Por. Plated, Nickel..$1.75@2.00
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs...40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70@70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....60&10@60&10&5%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Easy.....@60&10&60&10&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&10&10%
New York.....60&5%
Genuine Philadelphia Mowers: Styles, D., D. O. W., M., S., T., C. K. L., and B. Self-adjusting. 70&10%
Styles A., and E.....60&10%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60&10%
Continental.....60&10%
Great American.....70&10%
Rapid Transit.....70&10&10%
New Departure, High Wheel, 70&10&10%
New Departure, Low Wheel, 75&10%

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....₩ doz. $10.00
Gibbs' Hustler.....₩ doz. $5.00
Philadelphia Lawn Mower Co. Philadelphia Lawn Sprinkler: No. 1, No. 2, No. 3, ₩ doz. $12.00 $15.00 $24.00..40% No. 4, $7.00 each.....33⅓&5

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 30&10@40%
Wood, Common ₩ gross, No. 0, $5.00; No. 1, $6.50; No. 2, $10.00.
Dunlap's Improved ₩ doz. $2.75 20&10%
Jennings' Star.....₩ oz. $2.25
The Boss.....₩ oz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&5%
Hotchkiss, Straight Flush ₩ doz. $9.60
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Levels—
C. E. Jennings & Co.'s:
Hexagon.....25%
Iron Bench, new design.....25%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Cotton Chalk.....55%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....30%
Mason's Linen.....33⅓&5
Mason's Colored Cotton.....4&5
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ dos. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list August 15, 1885.....60&10 net
Mallory, Wheeler & Co., list July, '86.....60&10@70%
Reading Hdw. Co. List Feb. 2, '88. 60@60&10%
Sargent & Co., list July, '94..60&10 @60&10&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, net prices.
Champion Night Latches.....40%
Plate.....33⅓&5
Barnes Mfg Co.....40@40&10%
Yale.....net prices
Deits Flat Key.....30%
Romer's Night Latches.....20&5%
Brooklyn Latches.....50&10%
Shepardson or U. S.....35%

CABINET—
Cabinet Locks.....60&10@70%
Eagle Lock Co.....25&10%
Charles Parker Co.....33⅓&2%
Diets, Nos. 23 to 39.....40%
Dietz, Nos. 41 to 78.....45%
Dietz, Nos. 87 to 96.....30%
Stoddard Lock Co.....30@33⅓&5
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40@40&10%

PADLOCKS—
Wrought Iron.....70&10@80%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle.....40%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 1.....40&5%
Scandinavian.....90&40@90&40&10%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe, ₩ doz. $9.00...50@50&10%
Barnes Mfg. Co.....50@50&10%
Nock's.....30&10%
Brown's Pat.....30&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 109 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 103, inclusive.....50%
Ames Sword Co. above No. 103, 50&10%
Acme Bicycle and Satchel per doz. $9.00.....33⅓&5
Smith & Egge Bicycle.....50%
Slaymaker, Barry Co.'s:
No. 21 to 712.....net
Cast Key, Scandinavian Locks 90&10%
Flat Steel Key, Scandinavian Locks.....net
Self-Locking Scandinavian Locks.....net
Bicycle Locks.....35%
R. R. Switch and Car Door Locks.....net
Dog Collar Locks.....4%
All other Padlocks.....net
Night Latches.....net

Mallets—
Hickory.....20&10@40%
Lignumvitæ.....20&10@40%
Raw-Hide.....40&10%

Mattocks—
Regular list.....70&10@75%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....33⅓&5

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ dos.....70@70&5%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$25	$50	$60

Perfection.....net

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Enterprise.....25&30%
Nos.....10 12 22 32 42
Each...$3 $2.50 $4 $6 $15
Miles' Challenge ₩ doz...45@45&10%
Nos..... 1 2 3
$22.00 $30.00 $40.00
Home No. 1..₩ doz $26.00.....60%
Draw Cut, each:
Nos....5 2 6 8
$50 $75 $80 $225.....20@25%
Beef Shavers (Enterprise).....25@30%
Little Giant.....50&10%
Nos. 305 310 312 320 322
$35.00 $18.00 $14.00 $72.00 $38.00
Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Nails—

See Trade Report for quotations on Wire and Cut Nails.]
Wire Nails and Brads, Painted, Association list, May 1, 1892....80%
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—

Brass Head, Sargent's list, 70&10@70&10&5%
Brass Head, Combination list, 50&10%
Porcelain Head, Sargent's list, 50&10%
Porcelain Head, Comb'n list, 40&10%
Niles' Patent.....40%

FURNITURE—

Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—

Black Hawk, per doz.....$9.00
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 20@10%
Giant, No. 2.....₩ doz $15.00, 20@10%
Pelican.....₩ doz $9.00, 25&10%
Lightning.....₩ doz $18.00, 20%
Scranton No. 2.....₩ doz. $10.00
Scranton No. 3.....₩ doz. $9.00

Nail Sets—

Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—

Acme, Japanned, ₩ gross $30.00..50%
Turner & Seymour Mfg. Co.....60%

Nuts—

Cold Punched, Square....4¼c off list
Hex.....6c off list
Hot Pressed, Square...5½c off list
Hex.....6.1 off list
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔, net.
Tapped.....50%

Oilers—

Zinc and Tin.....70&10@75%
Brass and Copper.....50&10@60%
Malleable, Hammers, Improved 10&5%
Malleable, Hammers, Old Pattern, same list.....50&1 @60%
"Perfect" Pocket Oilers, 2oc. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc,....70%
Prior's Pat. or "Paragon Brass...60%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....70@70&10%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—

SCYTHE STONES—

Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓&5%

OIL STONES—

Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 5x1¾ to 2¾ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔..... .70
Discount 33⅓&5%

Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
7x2, " 11.00
6x2, " 10.00
5x2, " 9.00
4x1¼ " 7.00
3½x1 " 5.50
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1⅛, ₩ ℔..... .25
" 2x2x⅛, extra selected.. .40
Discount 33⅓&5%.
Pike's Arkansas:
Regular Bench Stones.
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔..... 2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔..... 3.50
No. 1, 8 to 12x1¾ to 2x¾ to 1, ₩ ℔..... 4.00
No. 2, 3 to 5½x1¼ to 2x¾ to 1, ₩ ℔..... 1.00
No. 2, 5½ to 8x1¼ to 2x¾ to 1, ₩ ℔..... 1.50
Discount 33⅓&5%
Pike's Arkansas, Mounted in Polished Mahogany Boxes.
8x2 in.....₩ doz. $70.00
7x2 in.....₩ doz. 35.00
6x2 in.....₩ doz. 30.00
5x2 in.....₩ doz. 24.00
4½x ½ in.....₩ doz. 14.00
3½x1 in.....₩ doz. 9.00
4x1 in., on Mahogany Handles.....₩ doz. 7.00
3½ in., in Vulcanized Rubber Case.....₩ doz. 12.00
Discount 33⅓&10%
Pike's Arkansas Round Edge Slips:
No. 1 reg., 3 to 5x1¾ to 2x¾ to ⅝ in. back x⅛ to ⅜ in. edge, ₩ ℔..... $4.00
No. 1 small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x⅛ in to sharp edge.....₩ ℔ 6.00
No. 2 assorted sizes.....₩ ℔ 2.50
Discount 33⅓&5%
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ ℔..... 4.00
No. 2, assorted sizes, ₩ ℔..... 2.00
Discount 33⅓&5%.
Pike's Soft Arkansas:
Regular Bench Stones.
No. 1, reg., 3 to 5x1¾ to 2x¾ to 1 in.....₩ ℔, $1.50
No. 1, 5½ to 8x1¾ to 2x¾ to 1 in.....₩ ℔, 1.70
No. 1, 8 to 12x1¾ to 2x¾ to 1 in. ₩ ℔..... 1.90
No. 2, 3 to 5½x1¾ to 2x¾ to 1 in.....₩ ℔, .50
No. 2, 5½ to 8x1¾ to 2x¾ to 1 in.....₩ ℔. .70
Discount 33⅓&5%.
Pike's Soft Arkansas:
Round Edge Slips.
No. 1, reg., 3 to 5x1¾ to 2x¾ to ⅝ in. back x⅛ to ⅜ in. edge, ₩ ℔..... $2.50
No. 1, small, 3 to 5x1¼ to 1½x¼ to ⅜ in. back x⅛ in. to sharp edge.....₩ ℔, 4.00
No. 2, assorted sizes.....₩ ℔, 1.00
Discount 33⅓&5%
Pike's Penknife Pieces:
No. 1, 3 to 4½x1 to 1¼x¾ to ⅝ in.....₩ ℔, $2.50
No. 2, assorted sizes, ...₩ ℔ 1.00
Discount 33⅓&5%
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1⅛, ₩ ℔ .08
Washita Finish, about 8x2x¾ to 1⅛, ₩ ℔..... .10
Round Edge Slips, about 6x1¼ to 2x1⅛ to ¾ back x ⅛ to ¼ edge, ₩ ℔..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ ℔..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ ℔..... .08
Small Axe, about 3x2x⅛ to 1 ₩ ℔..... .10
Special Axe, 2½x1½x⅛ ₩ ℔... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight ab out 1 ℔, ₩ ℔..... .05
Medium, 8 x 1¼ x 1¼, weight about 1½ ℔, ₩ ℔..... .05
Large, 8x1¾x1¾, weight about 2 ℔, ₩ ℔..... .06
Small table, 10x2¾x3¼, weight about 4 ℔.....₩ ℔. .... .06
Large Table, 10x2¾x5 " ..... .08
Pike's Turkey Stone:
No. 1, assorted, from 5 to 8 ₩ ℔ .50
Extra, " ₩ ℔..... .8
Round Edge Slips, No 1, ₩ ℔. 2.00
Discounts 33⅓&5%.

Packing, Steam—

RUBBER—

Boston Belting Co.:
"Boston".....60%
"Excelsior" Self-Vulcanizing, per ℔ 70c.....40%
Boston "Phoenix" Red Sheet, per ℔..... 50c. net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...45%
N. Y. B. & P. Co., 1846-Para....40&10%
N. Y. B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....70@5%
Standard, Fair Quality.. 70&10@75%
Extra..... .60&5@30&10&5%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard ₩ ℔ 30c 25@25&5%

MISCELLANEOUS—

American Packing.....9c@10c ₩ ℔
Russian Packing.....13c@14c ₩ ℔
Italian Packing.....12c@13c ₩ ℔
Cotton Packing.....14c@15c ₩ ℔
Jute.....6c@7c ₩ ℔

Padlocks—

See Locks.

Parers—

APPLE—

Advance.....₩ doz $4.50
Baldwin.....₩ doz 5.00
Bonanza.....each 5.00
Daisy.....₩ doz 3.50
Dandy.....each 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ dz..$27@30.00
Little Star.....₩ doz 4.00
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 3.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 5.50
Turntable.....₩ doz 4.50
Waverly.....₩ doz 3.75
White Mountain.....₩ doz 4.00
Reading, 72.....₩ doz 4.00
Reading, 78.....₩ doz 7.00
Oriole.....₩ doz 4.00
Victor.....₩ doz 13.50
Gold Medal.....₩ doz 4.00
Scott's Pat. Rotary, ₩ doz $15.00, 20%

POTATO—

White Mountain.....₩ doz $4.50
Antrim Combination.....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—

Dixon's Lead.....₩ gro $4.50
Dixon's Mascot, Round..₩ gro. 3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—

Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....70&10@75%

Planes and Plane Irons—

WOOD PLANES—

Molding.....45&5%
Bench, First Quality.....55&5%
Bench, Second Quality.....60&5%
Bailey's (Stanley R. & L. Co.) 50&10%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%

IRON PLANES—

Stanley Rule & Level Co.:
Bailey's..50&10&10@50&10&10&10%
Miscellaneous.....35&10%
Steers Iron Planes..50&10@50&10&5
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....50%
Sargent's.....6@6&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.

PLANE IRONS—

Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle"..... } 30&10@30
Ohio..... } &10&10%
Sandusky..... }
L. & J. J. White.....20&5@25%
Stanley Rule & Level Co.....50&10%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—

Hall's Pliers.....10%
Hall's Nippers. ₩ doz., No. 2, 5 in. $13 50; No. 4, 7 in. $21.00....40&10%
Button's.....70&10@70&10&5%
Humason & Beckley Mfg. Co.50@50&10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50@50&5%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....25%
Swiss Pliers.....25%
Stubs'.....30%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronke, Stubb's Pat Pliers.....5%
Cronk's Button Pattern .....70&10
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—

Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10@50%
Stanley's Duplex.....2[illegible]%
Stanley's Handy.....2[illegible]&10
Regular List.....75&10@80%
Disston's.....50%
Pocket Levels.....70&10&10@7[illegible]&10%
Davis' Iron Levels.....25&10%
Davis' Inclinometers.....30%
Wood's Extension Sight.....30
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—

See Egg Poachers.

Police Goods—

Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—

Prestoline Liquid.....33⅓@40%
Prestoline Paste.....33⅓@40%

Polish, Stove—

Joseph Dixon's.....₩ gro $5.75, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun.....₩ gro $5.50@$5.75
Dixon's Plumbago.....₩ ℔ 8c

Poppers, Corn—

Round or square,
1 qt., ₩ doz. $1.00; ₩ gr. $8.00 } 10@
1½ qt. ₩ doz. $1.00; ₩ gr. $9.00 } 15%
2 qt., ₩ doz. $1.50; ₩ gr. $14 00 }
Quincy Corn Popper, 1 qt., ₩ doz. $3 00; 2 qt, $4 00.....33⅓&5

Post Hole Diggers—

The Ryan.....₩ doz., $15.00

Powder—

See Ammunition

Presses—

See Fruit and Jelly Presses, Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw...₩ doz $18.00, 20@25&10%
Disston's Pruning Hook.....₩ doz $12.00, 25@25&10%
Seymour Smith & Son's.....
Seymour Smith & Son's, Rockdale, 10%
Others.....55%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$2.50@2.75
Henry's Pruning Shears ₩ doz $3.50@$3.75
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 25&10%
Dunlap's Saw and Chisel....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $9.00 ₩ doz.25%
Levin Pruner, No. 2, $12.00 ₩ doz.25%

Pulleys—

Axle.....60%
Moore's Dumb Waiter.....50%
Moore's Ceiling.....40%
Hot House.....66⅔%@70
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line, Japanned..60&10&10%
Awning.....66⅔@70%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.70.....50%.
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—

Cistern, Douglas and Best Makers 60&10&10@70%
Pitcher Spout, Douglas and Best Makers.....75&10%
Pitcher Spout, Cheaper Goods. 80@80&10%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump.....$15.00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 69, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333, 2½ in Deep Well Pump.....$15.00
No. 72, Fig 333, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 333, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$12.00
No. 128, Fig. 510, 3 in. Lift Pump.....$7.00
No 131, Fig. 510, 3½ in. Lift Pump.....$8.50
No. 225, Fig. 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50

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No. 235, Fig. 403, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30.00
No. 280 Fig. 4-4, Imperial Cyclone Pump.....$18.00
No. 285, Fig. 5:2, Cyclone Tank Force Pump.....$17.00
No. 287, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 288, Fig 513, Low Down Tank Force Pump.....$16 00
No. 3-2, Fig. 477, Spray Pump complete.....$11.50
No. 320 Fig. 492, Bucket Spray Pump.....$5.50
No. 33 , Fig. 547, Knapsack Spray Pump.....$10.00
Discount 55% F. O. B. Ashland.

Punches—

Saddlers' or Drive,good ₩ doz..60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@55%
Spring,good quality,₩ doz $1.90@2.00
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Check.....55%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring.....50 &5%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....30&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....45%
Niagara Solid.....55%

Radiators—

Wilmot Castle & Co 's New Era:
American Refined Iron, to fit 5 in. Stove Pipe.....$6.50
American Refined Iron, to fit 6 in. Stove Pipe.....$6 50
American Refined Iron, to fit 7 in. Stove Pipe.....$7.50
American Refined Iron, to fit 8 in. Stove Pipe.....$9.00
Planished Iron, to fit 5 in. Stove Pipe.....$7.50
Planished Iron, to fit 6 in. Stove Pipe.....$7.70
Planished Iron, to fit 7 in. Stove Pide.....$8.50
Planished Iron, to fit 8 in. Stove Pipe.....$10.00

Rail—

Sliding Door, Wr't Brass, 1⅛ in. ₩ ft, 34c.....30&10@40&5%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 6½c
Sliding Door,Iron, Painted....₩ ft 2c
Barn Door, Light, In. ⅛ ⅝ ¾
Per 100 feet.....$1.40 1.95 2.60
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$1.60 2.00 2.50
Terry's Steel Rail, ₩ foot.....8¼c
Victor Track Rail, 7c ₩ foot.....70%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35%

Rakes—

Cast Steel, Association goods.75&20%
Cast Steel, outside goods.....70&5%
Malleable.....70&10%
Oneida Lawn.....doz., $6.00
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.50
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.00
Gibbs' Crown, No. 1.net ₩ doz. $4.50
Gibbs' Hustler, No. 0.net ₩ doz. $3.50
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes.....₩ dc $3.50
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2 $2.50. } 25%
Duval's Wood, ₩ doz.,
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.12
Hay 12 teeth. No $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.60
Boss, No. 18.....net ₩ doz. $2.75

Razors—

J. R. Torrey Razor Co.....30%
Woetenholm and Butcher, $10.00 to 2.....10%
Jordan's AAA1, list Nov. 1, 1889..60%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Retrigerator Hardware—

Francis Kell & Son.....50%

Rings—

See Bull and Hog Rings.

Rivets and Burrs—

Norway, list Feb. 26, '93.....70%
Coopers.....70%
Block.....70%
Carriage.....70%
Hame.....70%
Burrs.....70%
American Screw Co.:
Bay State Rivets.....72½%
Belt with Burrs.....70%

Rivet Sets—

Regular list.....70%

Rods—

Stair, Brass.....25@ 30%
Stair, Black Walnut.....₩ doz 40c

Rollers—

Barn Door, Sargent's list..60&10& 10@70%
Moore's Acme Barn Door.....60%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope

Manufacturers' Prices:
Ma'la.7-16in.& larg'r ₩ ₺ 7 c
Manilla.....⅜in ₩ ₺ 7½c
Manila.¼ and 5-16 in ₩ ₺ 7 c
Man.Hay Rope,Med. ₩ ₺ 8 c
Sisal,7-16 in. & larger ₩ ₺ 5 c
Sisal.....⅜ in ₩ ₺ 5½c
Sisal...¼ and 5-16 in ₩ ₺ 6 c
Sisal, Hay Rope..... ₩ ₺ 5 c
Sisal,Med.L'the Y'rn ₩ ₺ 4½c
1½% for cash in 10 days.
Cotton Rope, Best, ¼ in. and larger.....₩ ₺ 12@12½c
Medium, ¼ in. and larger, ₩ ₺..9c
Common, ¼ in. and larger, ₩ ₺..8c
Jute Rope.....₩ ₺ 5½@6c

Rules—

Boxwoo...80&10&10&10@80&10&10 &10&5%
Ivory.....60&10%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%
Lufkin's Steel.....60%
Lufkin's Lumber.....5 &10%
Brown & Sharpe.....25%

Sad Irons—

From 4 to 10.....₩ ₺ 2@2½c
Self-heating.....₩ doz $10.00, 20%
Self-heating,Tailors' ₩ doz$22.50,25%
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....5½c
New England.....5c, 20&10%
Mahony's Troy Pol. Irons.....15%
Sensible Pol., ₩ doz $2.00.....20%
Nickel.....₩ doz. $7.00
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$7.45
Irons, No. 1, 2 or 3 with handles, ₩ doz.....$7 00
Irons, No 1 2 or 3 with handles, ₩ doz.....$6.25
Irons, No 1, 2 or 3 with handles, ₩ doz.....$5.75
Irons, No. 4 with handles ₩ doz.....$9.80
Irons, No. 4 with handles ₩ doz.....$8 80
Iron , No. 1, 2 or 3, ₩ doz.....$5.75
Irons, No. 1, or 3, ₩ doz.....$5.25
Toy Irons, ₩ doz.....$1 50
Toy Irons, ₩ doz.....$1.25
The "Pest" Handles, with Forged Iron Stretchers, ₩ doz.....$3.00
Colebrookdale Iron Co.:
Crown, Improved Pol, ₩ doz $8.50
Nickel.....₩ doz. $7.00

Sand and Emery Paper and Cloth—

Baeder, Adamson & Co.'s:
Sand and Emery Paper..50&10& 5@6%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—

Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—

Common.....₩ ₺ 8½c@9c
Jute, good quality.....₩ ₺ 1.c
White Cotton Braided, fair...₩ ₺ 2 c@24c
Common Russia Sash.₩ ₺ 12½ @ 3c
Patent Russia Sash...₩ ₺ 13½c@14c
Cable Laid Italian Sash ₩ ₺ 22½c@25c
India Hemp Sash.....₩ ₺ 11½c@ 1c
Silver Lake:
A Quality, White., ₩ ₺ 50c....10%
A Quality, Drab...₩ ₺ 55c.... 40%
B Quality, White ₩ ₺ 60c, 15&7½%
B Quality Drab, ₩ ₺ 37c..15&7½%
C Quality, White (only) 28½c @ 28c
Sylvan Spring:
Extra Braided White.....₩ ₺ 28c
Extra Braided Drab.....₩ ₺ 33c
Semper Idem, Braided White ₩ ₺ 24c
Samson:
"Mase." White, Cotton.....24c
"Samson" Braided White, Cotton.....₩ ₺ 30c
"Samson" Braided Drab, Cotton.....₩ ₺ 35c
"Samson" Braided Italian Hemp.....₩ ₺ 33c
"Samson" Braided Linen, ₩ ₺ 30c

Sash Fasteners, Holders, &c.—

Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No.2,$8;₩gro.33⅓%
Ferguson's.....33⅓%
Reading.....60&10@60&10&10
Hammond's Window Springs, A .....10&10%
Hammond's Window Springs, B..50%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick.P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15,'86.....70%
Payson's Perfect.....70%
Hugunin's Sash Balances.....30&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent....60&10&5@60&10&10%
Davis, Bronze, Barnes Mfg. Co...40%
Champion Safety.....70&5%
Security.....70%

Sash Weights—

1c. ₩ ₺, Carload lots.....$19.00

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00.....20%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—

Disston's Gang.....45%
Disston's Circular.....45@45&5%
Disston's Cross Cuts.....40&10%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....30%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
Woodrough & McParlin Cross Cuts.....45&10%
Hand Panel and Rip.....25&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill...45@45&5%
Peace Hand Panel and Rip.25@25&5%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back..45&10%
Richardson Circular and Mill, 4 @45&5%
Richardson X Cuts.....45&10%
Richardson Hand-saws....25@2 .&5%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—

Griffin's complete.....40&10@50%
Griffin's Hack Saw and Blades, 40&1 @50%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25@25&10%

Saw Frames—

Star Hack.....25%
White Vermont..₩ gro. .$9.00@$9.50
Red, Polished and Varnished...₩ doz., $1.50 25%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—

Stillman's Lever, Nos. 40, 45, 55@55&10%
Common Lever ₩ doz., $2.00, 4 @50%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $8.00; No. 1, $15.00, 33⅓@35%
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@40
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets, ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15. $5.50 25@25&10%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10@50%
Avery's Saw Set and Punch..50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold.....40&10@50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—

Union Platform Plain...$2.00@$2.10
Union Platform Striped.$2.15@$2.25
Chatillon's Grocers' Trip Scales..50%
Chatillon's Eureka.....25%
Chatillon's Favorite.....40%
Family, Turnbull's.....30@30&10%
Riehle Bros.' Platform...40@40&10%
Brittan Graham & Mathes 50%
"The Standard" Pittsburg.....50%

Scale Beams—

Scale Beams, List Jan. 12, '88..50& 10@50&10&10%
Chatillon's No. 1.....40%
Chatillon's No. 2...50&10@50&10&5%

Scrapers, &c.—

Adjustable Box Scraper (S. R. & L. Co.) $6.00.....40&10%
Box, 1 Handle.....₩ doz., $2.00
Box, 2 Handle...₩ doz., $3.00@$4.00
Defiance Box & Ship.....20&10%
Foot.....55&5@60&5%
Ship Common.....₩ doz., $2.40 net
Ship, R. L Tool. Co.....10%

Screens—

Phillips:
Bonanza Screens.....60%
Perfection Screens 60%
Extension .....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—

Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30& 35%
Standard Oil..... .....35& 40%

Screw Drivers—

C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5 @50&10
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C.T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
No. 64, Varnished Handles.60&10%
No. 66.....70&10%
Sargent & Co.'s:
No. 1 Forg. Blade.50&10@50&10&5%
Nos. 20, 40 and 60 50&10@50&10&5%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat..... ....70%
N. E. Specialty Co.'s.....50%
Electric Spiral.....50%
Gay & Parsons.....25%
Champion.....40@40&10%
Clark's Pat.....33⅓@40%
Ellrich's Socket and Ratchet.40&10%
Howard-Allard ....50&10@50&10&5%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 50@55c
Screw-Driver Bits,Parr's₩ gro.$6.25
Frary's Hol. Hdle. Sets, No. 3, $12.45
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
P. S. & W 70%
Buck Bros.' Screw-Drivers Bits.
Tower & Lyon:.....37½&5%
"Handy" Ratchet.....25%
Champion 33⅓%
Copeland .....25@25&10%
Brace.....20&10%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—

WOOD SCREWS—List, Feb. 26, '96.
Bright Flat Head Iron.....87½&5%
Br't R'd & Oval Head Iron.....80%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....87½&5%
Round Head Brass.....80%
Flat Head Bronze.....80&10%
R'd and Ovel Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Flat Head Copper.....65%
Round Head Copper.....60%
Drive Screws.....87½&10%

MACHINE—

Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—

Bench, Iron.....70%
Bench, Wood, Beech.....₩ doz $2.25
Hand, Wood.....25&10@25&10&5%
Lag Blunt Point, list Jan. 1, 1890. 75& 20%
Coach list Feb. 26, '96.....80&5%
Bed .....25&5%

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Hand Rail, Sargent's, 70@10@70&10&10%
Hand Rail, H. & B. Mfg. Co. 75@75&5%
Hand Rail Am. Screw Co. 80%
Jack Screws, Millers Falls, Roller Bearing 5&10%
Jack Screws, Millers Falls, without Roller Bearing 50&10&10%
Jack Screws, P. S. & W. 35%
Jack Screws, Sargent's, 70&10@70&10&10%
Jack Screws, Stearns' 40&10%
Piano Stool 60&10%
Chair 60&10%

Scroll Saws—

C. E. Jennings & Co. 25%
Lester, complete, $10.00 25%
Rogers, complete, $4.00 25%
Barnes' No. 1, $8; No. 6, $10; No. 7, $15 25%
Barnes Scroll Saw Blades 35%

Scythes—

Grain 50@50&10%
Grass 50&10@60%

Seeders—

Enterprise Raisin 25%

Shears—

Ætna, Steel Japanned 30&20%
Ætna, Steel Nickeled 70&20%
Davenport Cutlery Co.'s 60@6 &10
American (Cast) Iron 75&10@50&5%
Barnard's Lamp Trim'rs, ₱ doz. $3.75
Tinners' 30&2%
Seymour's List, Dec., 1881. 60&10&10@30&10&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&10&5%
Heinisch's Tailor's Shears 33⅓%
Clauss' Brand, Nickel 60%
Japanned 70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap 75%
Nickel 65%
Campbell Cutlery Co.'s Scissors List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1887 50&10@60&5%
R. & E., list August 15, 1895 60%
Corbin's list 60&10&2%
Patent Roller 60&10&2%
Patent Roller, Hatfield's 75%
Russell's Anti-Friction, list Dec. 18, 1885 60&2%
Moore's Anti-Friction 50%
Hatfield Sheaves 30%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s 60%
Sargent's list 70%
Reading list 65&10@35&10&10%

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phoenix and Bryden's Boss, from jobbers $3.15@$3.40
Bryden's Frog Pressure $4.00
Perkins Steel Side Weight Hind $3 15 @ $3 40
Perkins Improved Snow ₱ ℔ 4c

MULE—

Add 50c ₱ keg to above prices.

OX, WROUGHT—

Ton lots ₱ ℔ 9c
1000 ℔ lots ₱ ℔ 9½c
500 ℔ lots ₱ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c. 20%
Griffith's Black Iron 50&10
Griffith's C. S. 50@50&10%
Griffith's Solid C. S. R. R. Goods 20%
Old Colony (Sanford Fork & Tool Co) 35%
St. Louis Shovel Co. 20@20&7½%
Hussey, Binns & Co. 15@25%
Snow, Long Handle, ₱ doz. $6.25 25&30%
Snow, D Handle, ₱ dos., $7.25 25&30%
Hubbard & Co. 20&10%
Payne, Pettebone & Son, list Jan., 1886 80%
Rowland's Black Iron 60&5%
Rowland's Steel 60&10&5%

Shovels and Tongs—

Iron Head 60&10@60&10&5%
Brass Head 60&10&10%

Sifters, Flour—

Hunters' Genuine, ₱ gross, $13@13.50

Slaw Cutters—

Enterprise 25%

Slicers—

Enterprise Vegetable 25%

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co) 65%
Fitch's (Bristol) 50%
Hotchkiss 10%
Andrews 50%
Sargent's Patent Guarded, 70&10&10@70&10&10&10%
Sargent's Covered Spring 60&10%
Sargent's Open Spring 70%
German, new list 40&10%
Shaw Patent Slide Lock 60%
Cockeye 70&10%
Covert Mfg. Co. 45&2@50%

Covert Mfg. Co:
Loop Eye, Round Eye, Open Eye, Loop Eye, Swivel, Round Eye, Swivel, Double for Bits or Trace Carrier, Breast Strap Buck e S aps, Breast Strap Protector 45&2½ @50%
Covert Saddlery Works:
Banner 60&20%
Triumph 60&20%

Spoke Shaves—

Iron 45%
Wood 30%
Bailey's (Stanley R. & L. Co.) 50&10%
Seymour Smith & Sons, Iron 20%
Millers Falls 25%
Wm. Johnson's:
Wood, Best 30%
Wood, 2nd Quality 33⅓%

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 75&10@80%
Solid Table and Tea, Cen. Stamp. Co.'s list 70&25%
Buffalo S. S. & Co. 33⅓&2%
B. B. Noyes Meat Forks 50&10@60%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro. 40&15%
Wm. Rogers Mfg. Co. 40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros. 40&15&5%
Holmes & Edwards Silver Co. 40&15&5%
L. Boardman & Son Catalogue "B"—net List

MISCELLANEOUS—

German Silver 50&10%
German Silver, Hall & Elton 50& 5% cash
German Silver, Rogers 60&5%
Wm. Rogers Mfg. Co., Rogers Silver Metal 50&10&5%
Rogers 40&10&5%
Nickel Silver 50&5@50&10&5% cash
Britannia 60&10%
Boardman's Nickel Silver Catalogue "B"—net List
Boardman's Britannia Spoons. Catalogue "B"—net List.

Springs—

See Door Springs.

Squares—

Steel and Iron, Nickel-Plated 75&10@30%
Try Square and T Bevels 50&10&10%
Disston Try Square and T Bevels, 50@50&10%
Winterbottom's Try Mitre 30&10%
Montgomery's Try Mitre $3.75 net
Starrett's Micrometer Caliper Squares 25%
Avery's Flush Bevel Squares 40%
Avery's Bevel Protractor 50%
Brown & Sharpe 25%

Staples—

Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples 80&25&10%
Extra Heavy 80%
Hooks and Staples 80&25&10%
Extra Heavy 80%
Hasps and Staples 80&25&10%
Extra Heavy 80%
Staples on Plates 80&25&10%
Wagon Bow Staples 80&25&10%
Square Crown Carpet—papers 75%
Square Crown Carpet—bulk 75&10%
Barrel 75&10%
Box and Casket 75&10%
Barbed Blind—½ inch and larger ₱ ℔ 7c@7½c
Barbed Blind—¾ inch, ₱ ℔ 8c@8½c
Round Wire Round Crown 66⅔%
Barbed Bed Spring Staples 75&10%
Chisel-Pointed Barbed 75&10%
Poultry Netting 80&10%
Norway Iron Clinch 80&10%

Stocks and Dies—

Blacksmith's:
Waterford Goods 35%
Butterfield's Goods 35%
Lightning Screw Plate 25&30%
Reece's New Screw Plates 25@30%
Reversible Ratchet 35%
Gardner 25%
Wells Bros. & Co. 25%
Schlenker's Die Bolt Cutter 15%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stoves.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

Papered, Dozened and M's. Straight Weights. Full Half and Quarter Weights 2% for cash.

Star weights (**) 5% extra; Standard weights (***) 10% and 15% extra, and special weights (****) (tinned and coppered carpet tacks only), 10, and 10% extra.

Carpet Tacks:
American, blued 80&3 7%
America, tin and cop'd 85& 3 7%
Steel, blued and bright 85& 0%
Steel, tinned and cop'd 85&3 7%
Swedes Iron, S. S., blued 85&3 7%
Swedes Iron, S. S., tin'd & &3 7%
Swedes, Iron, Lanc., blued 85 7%
Swedes, Iron, Lanc., tinned 85 7%
American, Iron, Diam 85&10&5%
Swedes Iron Tacks:
S. S., blued 87½%
S. S., tinned 87½%
Lanc., blued 85&2%
Lanc., tinned 85&20%
Upholsterers' Tacks:
S. S. 90%
Lanc. 85&5%
Gimp Tacks:
S. S., blued 9 &15%
S. S., tinned 9 &10%
Lanc., blued 85& 30%
Lanc., tinned 85&30%
Trimmers' Tacks:
Lanc. 89&2 %
S S 85%
Looking Glass Tacks 70%
Leathered 6 %
Lace Tacks 70%
Blued and tinned 8 &35%
Basket Tacks 62½%
Berry Box Tacks 62½%
Trunk Tacks:
S. S 66⅔%
Lanc. 62½%
Miners' Tacks, S. S 66⅔%
Bill Posters' and Railroad Tacks:
S. S 66⅔%
Lanc. 62½%
Brush Tacks, bulk 87½& %
M's 75& 5%
S. S 55%
Lanc. 5 %
Hungarian Nails 80&2 %
Common and Patent Brads 80%
Finishing Nails 57½%
Trunk and Clout Nails 57½%
Basket Nails 1 %
Chair Nails 45%
Cigar Box Nails 45%
Shoe Finders' List, April 14, 1894.
Extra 3½%&2% cash.
F. H. Cobbler's Nails:
4-8-8in., and shorter, ₱ 100 ℔ $17.60
5-8 in. and longer, ₱ 100 ℔ $15.90
U. S. Corrugated Brass Nails, or Flat Head Improved Brass Nails:

	No 18 & 19.	17 & heavier.
2-8 & 2½-8 in.	$64 90	$44 00
3-8 & 3½-8 in.	55.50	3 00
4-8 & longer,	44.50	36.10

MISCELLANEOUS—

Double Point 85&10@85&10&5%
Wire Carpet Nails 80&10%
Bill Nye Brad Box $4.00
Bonnie Blue ₱ box $1.50
Claw Handle Carpet ₱ gr $1.00
Home Tacks, No. 50, ₱ case (12 cartons), $36.00; No. 100, ₱ case (12 cartons), $72.00. 50& 2%.
Home Nails, No. 200, ₱ case (12 cartons), $30.00; No. 400, ₱ case (12 cartons), $60.00. 5 &2%.
Parisian Gilt Nails, carton 50%
Plymouth Rock Tacks 66⅔&33⅓&2%
Miniature Keg Tacks 66⅔&33⅓&2%
Upholsterers' Nails 50&10%

Tack Pullers—

Columbia, No. 1, per doz., net $1
" " 2, " " 1.50

Tapes, Measuring—

Keuffel & Esser Co 25%
Lufkin's Steel and metallic 40%

Taps—

American Screw Co.
Machine Screw 60%
Hand and Machine 50&10%
Pipe 80%
Blacksmiths' Taper 50&10%

Tin, Perforated—

Harrington & King Perforating Co.: 10 14x20, 112 Sheets in Box.

Numbers.	Per Box.	Per Doz.
1	$9 45	$1 55
2	$8 90	$1 55
3	$8.35	$1 35
4	$7.80	$1 30
5	$7.25	$1.20
5½	$ .25	$1.20
6	$6.95	$1.15
7	$6 85	$1.10
8	$6.70	$1.05

Chicago or New York delivery.

Tinners' Shears, &c—

Shears and Snips (P. S. & W.) 30&2%
Snips, J. Mallinson & Co. 33⅓%
Snips—"Clauss" 30%

Tinware—

Stamped, Japanned and Pieced, list Jan. 20, 1887 70&10@70&25%

Trammel Points—

Cook's 25%
Stanley's 30&10%
Tower & Lyon 33⅓%
Jennings "Eureka" 25%
Sargent's 70&10@70&10&10%
Backus and Union 40%
Preatiss' 20@25%

Tracks, &c.—

F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T. $3.50
Single rail Car, Single Steel T. $3 50
Rev. Car., Wood Track $3.25
Comb., Car., Wood Track $3.25
New Myers Iron Rod Car $2.75
New Departure Sling Complete, Steel or Wood Track (includes four sling ropes). $12.00
Sure Grip Sling Car., Steel or Wood Track $6.00
Double Rail Steel Track complete with clamps, ₱ ft .09
Single Rail Steel Track with clamps, ₱ ft .09
D. H. Fork, Steel Regular, e'ch .75
Nellis Fork, each $1 50
Walker Fork, each $1.15
Sprouts Shear Fork, each $1.40
Double Grapple Fork, each $3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₱ doz. $2.00
Malleable Frame K. P. Pulleys, Figs. 380 and 381 ₱ doz. $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ₱ doz. $1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₱ doz. $1.65
Steel Frame Pulley with Iron Sheave, Fig. 555, ₱ doz. $1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₱ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₱ doz $2.00
Floor Hooks, ¾ in ₱ doz. .65
Hanging Hooks for Double Steel Track, ₱ doz. .60
Hanging Hooks for Single Steel Track, ₱ doz. .60
Hanging Hooks for Wood Track, 10 in. ₱ doz .45
Hanging Hooks for Wood Track, 14 in, ₱ doz .55
Wrought Rafter Brackets, ₱ doz .45
Malleable Rafter Brackets, ₱ doz .45
Rope Hitch, ₱ doz. $1.75

Transom Lifters—

Copper Finished 50%
Bronze Metal 40%
Nickel Plated 50%
Crescent 55%
Lever 55%
Ajax 50%
Dicksons 60%

Traps—

GAME—

Enterprise Mole 15%
Oneida Pattern 75&5@75&10%
Newhouse 40&10@50&5%
Hawley & Norton 70&5%
Victor 70&10&5%
All Steel 75%
Star 50&10%
Blake's Patent 50&10@60%

MOUSE AND RAT—

Mouse, Wood, Choker, ₱ doz hole 80@10c
S. T. ₱ doz $6.00, 20%
Mouse, Ronnd Wire, ₱ doz $1.50, 10%
Mouse, Cage, Wire, ₱ doz $2.50, 10%
Mouse, Catch-'em-alive ₱ dz $2.50, 15%
Mouse, Bonanza ₱ doz 90c@$1.00
Mouse, Ideal ₱ gr $9.00
Mouse, Delusion 33⅓%
Rat Slayer ₱ gr $9.50
Rat, Keystone ₱ gr $10.00
Rat, Exterminator ₱ gr $12.00
Rat, Decoy ₱ gr $10.00, 10%
Hotchkiss:
Metallic Mouse, ₱ doz. 65c.; in full cases 60c
Improved Rat ₱ gross, $13.50
New Rat ₱ gross, $13.50
Schuyler:
Mouse, ₱ gross $18.00 50%
Rat ₱ gross $15.00
Housenold ₱ gr $10.00
Erie Rat 50%
Smith & Egge Mfg. Co:
Superior Rat Trap, ₱ doz. $15.00
Yankee Rat Trap, ₱ doz. $ 1.00
Yankee Mouse Trap, ₱ doz. $5.50

FLY—

Balloon, ₱ dos $1.50 ₱ gr. $13 50
Electric Rod ₱ gr. $16.50
Globe ₱ gr. $13.50
Harper ₱ gr. $16.50

Trowels—

Reed's Brick and Plastering 15%
Disston's Brick and Plastering 25 @25&10%
Peace's Plastering 20@25&5%
W. & McP. Plastering 20%
Richardson 25%
"Rose" Brick Plastering and Moulders 3 @3& 10%
Brade's Brick 25@33⅓%
Sargent's Garden, No. 1 70%
Sargent's Garden, No. 15 50%

Vises—

solid Box 50&10@60%

PARALLEL—

Fisher & Norris Double Screw 15%
Armstrong's:
Plain and Hinge 60%
Combination 50%
Lowell Hand 33⅓%
Stephens' 20@10%
Holland's 40@40&10%
Parker's 20@25%
Wilson's 55%
Alligator 50%
Howard's 40%
Massey's Quick Action 20@ 25%
Bonney's 50@50&10%
Millers Falls 40@40&10%
Trenton 40&5@40&10%
Merrill's 15@30%
Simpson's Adjustable 40%
Moore's 20%
Little Giant Bench 25&10&5%

SAW FILERS—

Bonney's Nos. 2 & 3, $15,00 40&10%
Stearn's 40%
Stearn's Silent Saw Vises 30&10%

Wads—

See Ammunition.

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Wagon Jacks—
Covert's Saddlery Works:
Victor.....60&20%
Daisy.....60&2 %

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.5 @$12.00
American Whip Co.:
List price per dozen
I. X. L. Whalebone Driving 4½ ft., $ 8.00; 5 ft., $10.00; 5½ ft., $12.00; 6 ft., $14.00; 6½ ft., $17. 0; 7 ft., $20.00; 7½ ft., $23.0; 8 ft., $26.00.
Eureka, Two-thirds Whalebone, 5½ ft., $15.00; 6 ft., $ 6.50; 6½ ft., $18.00; 7 ft., $2 .00.
Bull Bone, Half-length Whalebone, 5½ ft., $11.00; 6 ft., $12.00; 6½ ft. $13.00; 7 ft., $15.00.
American Standard, 4½ ft., $8.00 5 ft., $8.50; 5½ ft., $9.50; 6 ft., $10.50; 6½ ft., $12.00; 7 ft., $ 3.50 7½ ft., $15.00; 8 ft., 16.50.
True Grip, Raw Hide Center, 4½ ft. $5.0; 5 ft., $5.00; 5½ ft., $5.50; 6 f .. $7.00; 6½ ft., $7..0; 7 ft., $9.00.
New Name, Stocked Java, Black and Wine Colors .....6 ft., $6.00
Americus, 24 Pen Whip, 6 ft., $6.00
Gents' Light Driving, No. 111, 6 ft.....$8.00
Gents' Light Driving, No. 108, 6 ft.....$5.00
Hand-Made Stocked Java, No. 108.....5½ ft , $3.75 ; 6 ft., $4.00
Team Whips....₩ doz $2 0. @$7 5
Hardware Assortment 10 ; American, 75 Whips for.....$50.00

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10@90&10%
Market:
Brt. & Ann., Nos. 0 to 18, 75&10@ 80%
Cop'd, Nos. 0 to 18, 75& @7 &10&5%
Galv., Nos. 0 to 18..... 7 &10@75%
Tin'd, Tinned list Nos. 0 to 18..75 &@75&10%
Tinned Broom Wire, Nos. 18 to 21, ₩ lb 4½c
Galvanized Fence.....75&10%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned 65%
Copper and Bras 55%
Brass.....30@30&5%
Copper.....4%
Barb Fence.....See Trade Report
Cast Steel Wire.....5%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 13 to 30, ₩ lb.....6 @70c
Tate's Wire Picture Cord Braided and Twisted.....85@10&10%
Picture Wire.....New list 85&10%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft.,$1.3 @$1.40
Galvanized Wire Netting....80& 10 @8 & 25%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List.
Iron.....20&2½%
Iron, Galvanized.....20&2½%
Cast-steel.....20&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....60@60&5%
Nickel.....40& @50%
Heavy.....50%
Alligator.....60&10%
Hercules.....70%
American Adjustable.....40@10&10%
Armstrong's.....40%
Baxter's Adjustable "S" 70@70&10%
Baxter's Diagonal.....60@60&10%
Coes' Genuine .....50& @50&10%
Coes' "Mechanics'"...50&10&3@50%
Girard Standard.....65&10@70%
Lamson & Sessions' Engineers' 60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Hall's Pipe 50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black 40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bght) $2 5(@2.6 .50%
Boardman's ..... 3 ½%
Always Ready.....35½&10@40&5%
Champion Carriage.....40%
Donohue's Engineer.....40%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....35&10%
Standard Brace.....35&10%
J. H. Williams 25%
Lowell Ratchet.....33⅓&
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
In lots of less than one d zen. Cash.
Am. Wringer Co.'s list, July 189 , 2
Colby Wringer Co , list May 1, 1894, 2
Lovell Mfg. Co., list July 2, 1894...2
Peerless Mfg Co., list Feb., 1892...2
National Wringer & Mfg. Co., list Jan. 1, 1895 2
NOTE.—On lots of 1 dozen a discount of 10, is often given.

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 42c
Linseed. City, Boiled, " ₩ gal. 45c
Out of Town on Spot..... ₩ gal. 40c
Calcutta, Raw, in bbls....₩ gal. 47c
Lard. Prime City.....₩ gal. 5 @5
Western, Prime.....59 51
Extra, No. 1.....4 @4
No. 1.....37@39
No. 2.....8. @35

Paints and Colors—
Barytes, Prime White. ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $15.00@$18.00
Barytes, Domestic Floated, ₩ ton $2 .00@$2.8,00
Barytes, Off Color, ₩ ton, $10.00@$18.00
White Lead, American, Dry, ₩ lb 4½@4¾c
White Lead, American, in Oil, ₩ lb.....5½@ ¼c
White Lead, English, in Oil, ₩ lb 5½@5¼c
Litharge, American Powdered, ₩ lb..... 4¾@5¼c
Litharge, English Flake, ₩ lb 7¼@8 c
Litharge, Glassmakers', ₩ lb 4¼@5½c
Zinc, American, Extra Dry, ₩ lb 3¾@4½c

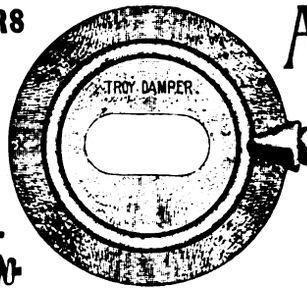
Putty—
Putty in Bulk.....$1.45@$1 7g
Putty in Bladders.....$1 65@$2 00
Putty in Tins .....$2 10@$2.50

Spirits Turpentine—
Spirits Turpentine, ₩ gal..28@28½c

Dry Colors—
Blue, Chinese.....₩ lb 35 @40 c
Blue Prussian.....₩ lb 30 @35 c
Blue, Ultramarine..₩ lb 7 @35 c
Brown, Sienna, American, burnt.....₩ lb 1¼@ 1½c
Brown, Sienna, American, raw.....₩ lb 1¼@ 1½c
Brown, Umber, American, burnt.....₩ lb 1¼@ 1½c
Brown, Umber, American, raw.....₩ lb 1¼@ 1½c
Brown, Vandyke. German..... ....₩ lb 2¾@ 5½c
Brown, Vandyke, American.....₩ lb 1¾@ 2½c
Green, Chrom , Common.....₩ lb 5 @ 6 c
Green, Paris .....₩ lb 20 @2 c
Indian Red, Staadard, American ...₩ lb 2 @ 3 c
Venetian Red, English Prime..... ...₩ lb $1.75@$1 9)
Yellow, Chrome ....₩ lb 16 @2 c
Yellow, Ocher Fre'ch ₩ lb 1 @ 1¾)

Colors in Oil—
Black Coach Japan ₩ lb..18½@ 20 c
Black Coach Japan in Oil.....₩ lb 12 @13 c
Black Drop .....₩ lb 7½@10 c
Black Lampblack, prime, ₩ lb 27 @33 c
Black Lampblack, medium.....₩ lb 15 @2 c
Black Lampblack, 2d quality.....₩ lb 13 @19
Black, Lampblack, l w grade .....₩ lb 6½@10 c
Blue, Chinese.....₩ lb 35 @40 c
Blue, Prussian .....₩ lb 21 @30 c
Blue, Ultramarine..₩ lb 12 @21 c
Brown, Sienna burt ₩ lb 7 @10 c
Brown, Sienna, raw. ₩ lb 7 @10 c
Brown, Umber. bur't ₩ lb 7 @10 c
Brown, Umber raw . ₩ lb 7 @10 c
Brown, Vandyke....₩ lb 7 @11 c
Green, Chrome.....₩ lb 8 @14 c
Green, Paris.....₩ lb 13 @1 ½c
Red, Indian.....₩ lb 12 @15 6
Red, Venetian.....₩ lb 4½@ 8 c
Yellow, Chrome.....₩ lb 13 @18 c
Yellow, Ocher, Fr'ch ₩ lb 4½ c

ORIGINATORS
MAKE THIS A STUDY.
Patentees and Sole Manufacturers,
TROY NICKEL WORKS,
TROY. N. Y.



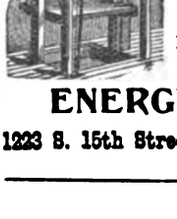
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THE PHILADELPHIA DUMBWAITER
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The Gokey Grinding and Calk Sharpening Machine.—The Walker Mfg. Co. offer the above patent for sale. Machines on hand, patterns and good will of the company. Here is a great chance for the right parties to make a fortune.
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There is but one way, outside of the word of the publishers, to settle definitely the circulation of any newspaper, and that is to **publish the receipts from the post office** for the matter that is mailed. During 1896 we shall adopt this system, and will, each issue, publish the receipts for the preceding issue as obtained from the mailing department of the New York post office, and this will settle, once and for all, the truth of our assertions.

If it can be shown that we fall below 120,000 in the year we **will donate $1,000** to any charity named by the president of the New York Hardware Club.

HARDWARE PUBLISHING CO.,
143 Chambers St., New York.

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THE HARRINGTON & KING PERFORATING CO. CHICAGO.



BRONZE SCREEN PLATES To withstand action of ACIDULATED WATERS.

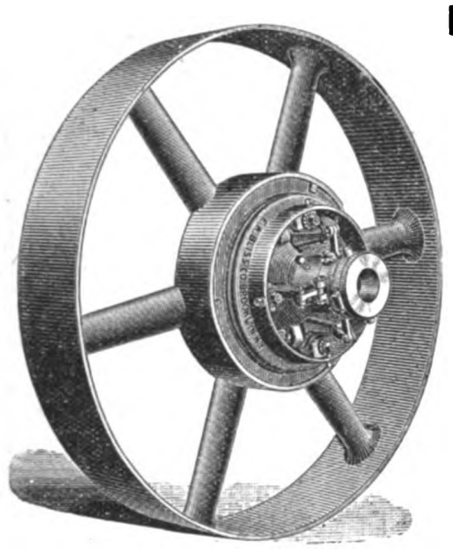
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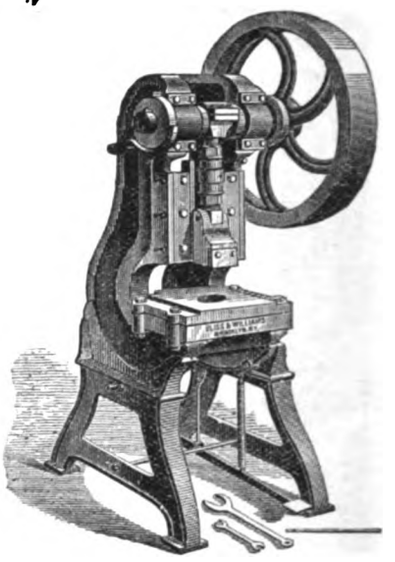
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The styles are elegant.
The prices right.

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HIGH GRADE LIGHT GRAY **IRON CASTINGS,** Soft, Smooth and Easily drilled. Patented Articles a specialty. Estimates furnished on application. BRONZE, BRASS, and COMPOSITION CASTINGS, JAPANNING, METAL ART WORK, made at short notice.

Allentown Hardware Works,

Allentown, Pa.

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Richard W. Montrose, Galien, Mich.

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Magnolia Metal Co., New York.

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Van Wagoner & Williams Hardware Co., New York and Cleveland, Ohio.

Apple Parers.
Reading Hardware Co., Reading, Pa.

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Kirk-Young Mfg. Co. Toledo, O.
Liberty Cycle Co., New York.
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H. A Lozier & Co., Cleveland, O.
John McClave & Son, New York.
McIntosh-Huntington Co., Cleveland, O
Monarch Cycle Mfg. Co., Chicago.
Morgan & Wright, Chicago.
New York Belting & Packing Co., Ltd., New York.
Geo. W. Nock. Philadelphia.
Overman Wheel Co., Boston, New York, Detroit, Denver, San Francisco, Los Angeles, Portland.
Plume & Atwood Mfg. Co., New York.
Pope Mfg. Co., Boston.
Queen City Cycle Co., Buffalo, N.Y.
Quincy Cycle Co., Quincy, Mass.
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rochester Cycle Co., Rochester, N. Y.
Sager Mfg. Co., Rochester, N. Y.
W. G Schaak, Buffalo, N. Y.
A. M. Scheffey & Co., New York.
Schoverling, Daly & Gales, New York.
Sharpless & Watts, Philadelphia.
Sherman Cycle Co., Chicago.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Spaulding & Pepper Co., Chicopee Falls, Mass.
E C Stear s & Co., Syracuse, N.Y.
Chas J Stebbins, New York.
L. Straus & Sons, New York.
Supplee Hardware Co., Philadelphia.
Ralph Temple Cycle Co., Chicago.
Tinnham Cycle Co., New York.
Trenton Watch Co., Trenton N.J.
Union Nut & Bolt Co., New York.
United States Mfg. Co., Fond du Lac, Wis.
Western Wheel Works, New York and Chicago.
Yost Mfg. Co., Toledo Ohio.
Zenith Cycle Co., Binghamton, N. Y.
Zenith Cycle Saddle Co., Philadelphia.

Bicycle Step Ladders.
Bicycle Step Ladder Co. Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blind Hinges.
Clark Mfg. Co., Buffalo, N. Y.

Blocks, Tackle.
See Tackle Blocks.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

Brass, Manufacturers.
Waterbury Brass Co., New York

Brass, Perforated.
Harrington & King Perforating Co., Chicago.

Bridges, etc.
Berlin Iron Bridge Co., East Berlin, Conn.

Buffing Wheels
Divine Bros., Utica, N. Y.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Calipers.
Darling Brown & Sharpe, Providence, R. I.

Carpet Stretchers.
Richard W. Montrose, Galien, Mich

Carpet Sweepers.
Bissell Carpet Sweeper Co., Grand Rapids, Mich.; New York.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
Allentown Hardware Works, Allentown, Pa.
C. H Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

Cement.
A. Major Cement Co., New York.
New York Belting & Packing Co., Ltd., New York.

Chain Hoists.
H. Channon Co., Chicago.

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

Cherry Stoners.
Goodell Co., Antrim, N. H.

Chimney Tops.
Iwan Bros., Streator, Ill.

Chucks.
George W. Church, New York.
Skinner Chuck Co., New Britain, Conn., New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Clay Screens.
Harrington & King Perforating Co., Chicago.

Cleavers.
John Chatillon & Sons, New York.

Clevises.
Kruse Kross Klevis Co., Higginsville, Mo.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.

Clock Springs.
Wallace Barnes, Bristol, Conn.

Coal Screens.
Edward Darby & Sons, Phila., Pa.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Copper.
Bruce & Cook, New York.

Copper, Perforated.
Harrington & King Perforating Co., Chicago.

Cordage and Twines.
Samson Cordage Works, Boston.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.
Meriden Malleable Iron Co., Meriden, Conn.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Cradles Grain.
J. B. Miller & Co., Washington, Pa

Cresting.
E. T. Barnum, Detroit, Mich.
C. Hanika & Sons, Muncie, Ind.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Derby Razor Co., New York and Derby, Conn.
Alfred Field & Co., New York.
Goodell Co., Antrim, N. H.
R. Heinisch's Sons Co., Newark, N. J.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Jos. Rodgers & Sons, Sheffield, England.
J. Wise & Sons, Newark, N. J.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg. Co., New York.

Drills.
Champion Blower & Forge Co., Lancaster, Pa.
George W. Church, New York.
Cleveland Twist Drill Co., Cleveland, O.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Speidel & Roeper, Reading, Pa.
Storm Mfg. Co., Newark, N. J.

Eave Trough Hangers.
John W. Bell & Co., Mercer, Pa.

Electric Bells and Supplies.
John H. Graham & Co., New York.
J. Jones & Son, New York.
Partrick & Carter Co., Philadelphia Pa.
Stanley & Patterson, New York
Union Electric Co., Cleveland, O.
Western Electric Co., Chicago and New York.

Elevators.
Energy Mfg. Co., Philadelphia
Kimball Bros., Council Bluffs, Ia.
Storm Mfg. Co., Newark, N. J.

Elevator Screens and Guards.
Harrington & King Perforating Co., Chicago.

Emery Paper.
George W. Church, New York.

Emery Wheels.
New York Belting & Packing Co., Ltd., New York.
Sterling Emery Wheel Mfg. Co., Tiffin, Ohio.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York.

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fences, Wire and Iron.
E. T. Barnum, Detroit, Mich.
C. Hanika & Sons, Muncie, Ind.

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson, Ind.
George W. Church, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Flower Pot Stands.
Gilbert & Bennett Mfg. Co., N, Y., Chicago, Georgetown, Conn.
C. Hanika & Sons, Muncie, Ind.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gasoline Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.
Schneider & Trenkamp Co., Cleveland, Ohio.

Gate Hinges, Latches, etc.
Wrightsville Hardware Co., Wrightsville, Pa.

Gears.
T. F. Welch & Co., Boston.

Glass Cutters.
W. L. Barrett, Bristol, Conn.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland,

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Gun Implements.
Bridgeport Gun Implement Co. Bridgeport, Conn.
Hartley & Graham, New York.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Halters.
Covert's Saddlery Works, Farmer, N. Y.

Hammocks.
Bruce R. Ware & Co., Boston.

Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
Cronk Hanger Co., Elmira, N. Y.

Hangers, Door.
Darling, Brown & Sharpe, Providence, R. I.

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Coburn Trolley Track Mfg. Co., Holyoke, Mass.
Cronk Hanger Co., Elmira, N. Y.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.
E. C. Stearns & Co., Syracuse, N.Y.
Van Wagoner & Williams Hdwe. Co., New York and Cleveland.

Hardware Dealers, Agents, Etc.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Supplee Hardware Co., Philadelphia.
Underhill, Clinch & Co., New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
Arcade Mfg. Co., Freeport, Ill.
Berger Bros., Philadelphia.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Diamond Cutlery Co., New York.
Enterprise Mfg. Co., Philadelphia.
Gwinner Mfg Co., Hamilton, O.
T. W. Houchin, New York.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
E. C. Stearns & Co., Syracuse, N.Y.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Clark Mfg. Co., Buffalo, N. Y.
C. Hanika & Sons, Muncie, Ind.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.
Wrightsville Hdwe. Co., Wrightsville, Pa.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse and Cattle Ties.
Covert's Solid ery Works, Farmer, N. Y.

Horse Nails.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Nozzles.
Allentown Hardware Works, Allentown, Pa.
American Ball Nozzle Co., New York, San Francisco.
H. F. Neumeyer Mfg. Co., Macungie, Pa.

Hose Reels.
Toledo Metal Wheel Co., Toledo, Ohio.

Hose, Rubber.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia.
Chas. W. Pacer, Philadelphia.
Polar Star Freezer Co., Philadelphia.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H. Angus, Albany, N. Y.

Iron, Perforated.
Harrington & King Perforating Co., Chicago.

Japanning.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.

Knife Sharpeners.
Diamond Cutlery Co., New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Ladders.
Indiana Ladder Co., Indiana, Pa.

Lamps.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Royall Givens, Corpus Christi, Tex.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Plume & Atwood Mfg. Co., New York.

Lasts, Iron.
Brandenburg & Co., Chicago.

Lawn Mowers.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Enterprise Mfg. Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
American Ball Nozzle Co., New York.
E. T. Barnum, Detroit, Mich.

Lead.
Bruce & Cook, New York.

Lead Pencils.
Jos. Dixon Crucible Co., Jersey City, N. J.

Lemon Squeezers.
Berger Bro., Philadelphia.
Meriden Malleable Iron Co., Meriden, Conn.
John Sommer's Son, Newark, N. J.

Levels.
Akron Level Works, Akron, O.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Tower & Lyon, New York.

Locks and Knobs.
Allentown Hardware Works, Allentown, Pa.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Norwalk Lock Co., Norwalk, Conn.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Athol Machine Co., Athol, Mass.
Miner & Peck Mfg. Co., New Haven, Ct.
Scranton & Co., New Haven, Conn
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y
T. F. Welch & Co., Boston.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
Allentown Hardware Works, Allentown, Pa.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie Ind.
Yale & Towne Mfg. Co., Stamford, Ct.

Metals, Perforated.
Harrington & King Perforating Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.

Mining Screens.
Harrington & King Perforating Co., Chicago.

Model Making.
T. F. Welch & Co., Boston.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Geo. W. Stanley Co., Belleville, Ill.
Chas. J. Stebbins, New York.

Office Railings.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.

Oilers.
Cushman & Denison, New York.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Packing.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Perforated Metals.
Harrington & King Perforating Co., Chicago.

Pipe Stocks and Dies.
Holroyd & Co., Waterford, N. Y.

Pipe Taps.
Holroyd & Co., Waterford, N. Y.

Planes.
Samuel I. Goodall Co., Philadelphia.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating Materials.
Hanson & Van Winkle Co., Newark, N. J.
Zucker & Leavett & Loeb Co., New York.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.

Police Equipments.
Tower & Lyon, New York.

Post Hole Diggers.
John H. Graham & Co., New York.

Poultry Netting.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago
C. Hanika & Sons, Muncie, Ind.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.

Power Hammers.
Scranton & Co., New Haven, Conn.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Railings, Brass and Iron.
C. H. Angus, Albany, N. Y.
C. Hanika & Sons, Muncie, Ind.
Edward Darby & Sons, Philadelphia.

Rakes.
Underhill, Clinch & Co., N. Y,

Rat and Mouse Traps.
See Traps.

Refrigerators.
Grand Rapids Refrigerator Co., Grand Rapids, Mich.
Keyser Mfg. Co., Chattanooga, Tenn.

Refrigerator Door Fasteners.
Allentown Hardware Works, Allentown, Pa.
P. J. Conroy & Co., Philadelphia.

Repair Outfits.
Brandenburg & Co., Chicago.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
William N. Merriam, Boston.

Roller Skates.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn., and New York.
Saml. Winslow Mfg. Co., Worcester, Mass.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.

Roofing Slate
E. J. Johnson & Co., New York.

Rubber Belting.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Erasers.
J. D. Johnston, Newport, R. I.

Rubber Mats.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Darling, Brown & Sharpe Providence, R. I.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Stanley Rule & Level Co., New Britain Conn, New York.
L. S. Starett Co., Athol, Mass.

Sad Irons.
Enterprise Mfg. Co., Philadelphia.

Sand Paper
Beeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sand Screens.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Estey Wire Works Co., New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Sash Balances.
Gardner Sash Balance Co., Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.
Bruce R. Ware & Co., Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Gilfillan Scale Co., Chicago.
Reading Hardware Co., Reading, Pa.

Scissors Sharpeners.
Diamond Cutlery Co., New York.

Screens, Perforated Metal.
Harrington & King Perforating Co., Chicago.

Screen Plates, Punched.
Harrington & King Perforating Co., Chicago.

Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
C. Hanika & Sons, Muncie, nd,

Screw Cutting Tools.
Holroyd & Co., Waterford, N. Y.

Screw Drivers.
Tower & Lyon, New York.

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Shade Lines.
Samson Cordage Works, Boston.

Shaft Coupling.
C. C. Bradley, Jr., Syracuse, N. Y.

Shears and Scissors.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Boxes.
C. P. Moore, Ravenswood, W. Va.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shoe Nails.
Clendenin Bros., Baltimore, Md.

Shovels.
Underhill, Clinch & Co., N. Y.
Wyoming Shovel Works, Wyoming, Pa.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Holmes & Edwards Silver Co., Bridgeport Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
John H. Graham & Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Diamond Cutlery Co., New York.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slate Roofing, etc.
E. J. Johnson & Co., New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Snaps.
Covert's Saddlery Works, Farmer, N. Y.

Snow Shovels.
A. J. Phillips Co., Fenton Mich.

Solder.
Bruce & Cook, New York.

Sootene.
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Harrington & King Perforating Co., Chicago.

Spelter.
Bruce & Cook, New York.

Springs.
Wallace Barnes, Bristol, Conn.
John Chatillon & Sons, New York.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.
T. F. Welch & Co., Boston.

Spring Hinges.
Van Wagoner & Williams Hardware Co., New York.

Stable Fixtures
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
C. Hanika & Sons, Muncie, Ind.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.

Steel, Perforated.
Harrington & King Perforating Co., Chicago.

Step Ladders.
Bicycle Step Ladder Co., Chicago.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.
Holroyd & Co., Waterford, N. Y.

Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.
Schneider & Trenkamp Co., Cleveland, Ohio.

Stove Pipe Thimbles.
S. Cheney & Son, Manlius, N. Y.

Stove Polish.
J. L. Prescott & Co., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Cleveland Block Co., Cleveland, O.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.
Geo W. Stanley Co., Belleville, Ill.

Tapes.
Boston Tape Mfg. Co., Boston.
Kenfil & Esser Co., New York.
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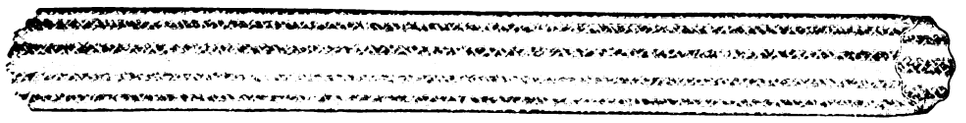
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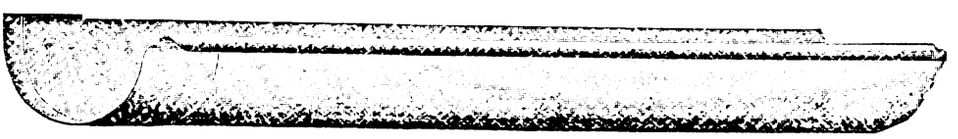
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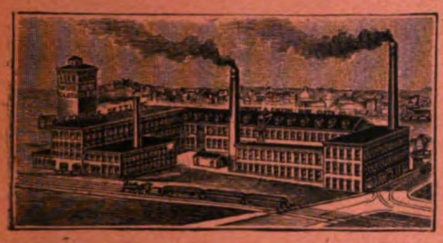
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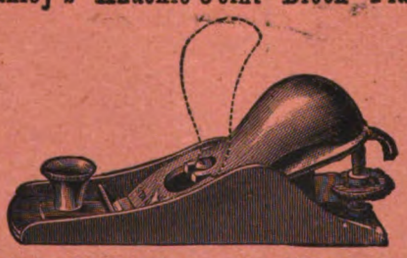
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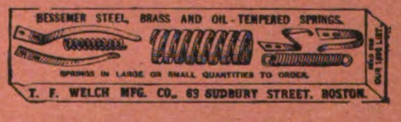
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